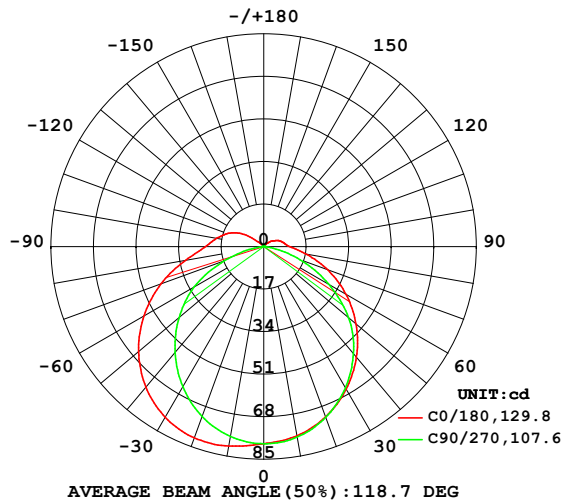


LUMINAIRE PHOTOMETRIC TEST REPORT

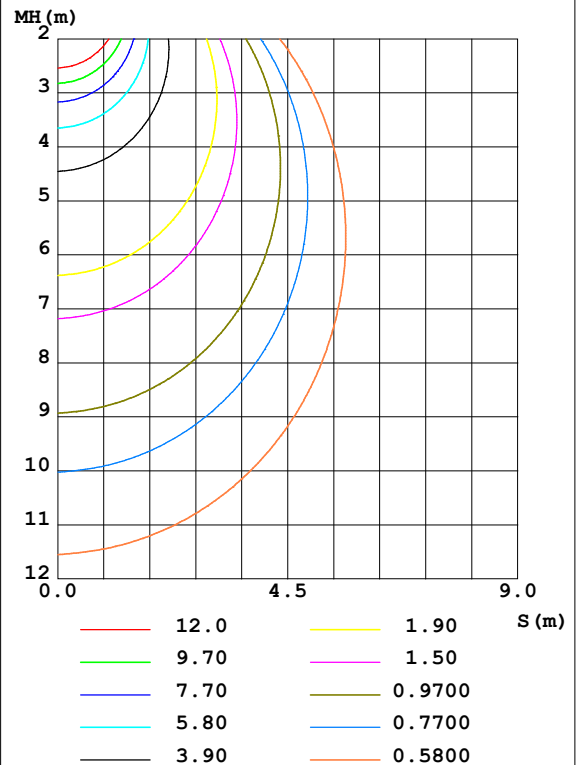
Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 29.52 lm/W			
MODEL	004010	Imax(cd)	81.47	S/MH(C0/180)	1.48
NOMINAL POWER(W)	9.618	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	283.90	η UP,DN(C0-180)	3.8,45.3
NOMINAL FLUX(lm)	283.901	CIE CLASS	DIRECT	η UP,DN(C180-360)	4.4,46.6
LAMPS INSIDE	1	η up(%)	8.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	91.8	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

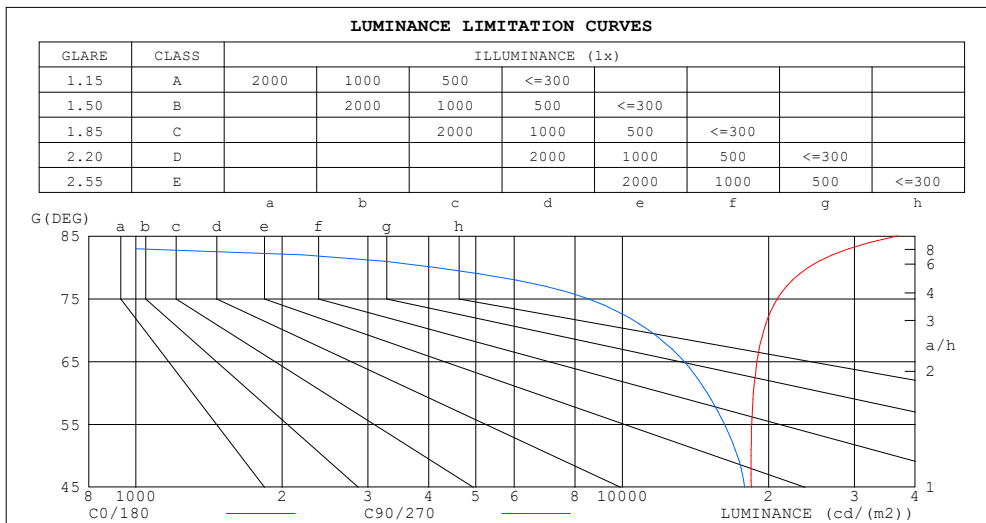
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	76.74	76.85	77.27	79.39	80.92	79.25	77.02	76.67	0- 10	7.486	7.486	2.64,2.64
20	72.41	72.46	72.62	78.07	81.34	77.67	72.20	72.01	10- 20	21.68	29.16	10.3,10.3
30	65.89	65.73	65.26	73.96	78.76	73.34	64.67	65.02	20- 30	33.32	62.48	22,22
40	57.63	57.19	55.80	67.25	73.30	66.45	55.13	56.30	30- 40	40.92	103.4	36.4,36.4
50	48.19	47.35	44.35	58.50	65.30	57.49	44.17	46.33	40- 50	43.65	147.1	51.8,51.8
60	37.89	36.40	29.90	48.10	55.23	46.96	32.05	35.50	50- 60	41.32	188.4	66.4,66.4
70	27.22	25.24	15.49	36.46	43.70	35.25	16.76	24.22	60- 70	34.32	222.7	78.4,78.4
80	17.06	14.31	2.854	24.42	31.77	23.37	3.807	13.50	70- 80	23.94	246.6	86.9,86.9
90	10.45	7.285	0	15.65	23.27	15.30	0	6.948	80- 90	14.13	260.8	91.8,91.8
100	8.322	5.563	0	11.89	19.21	11.58	0	5.295	90-100	9.604	270.4	95.2,95.2
110	6.841	4.400	0.0063	5.819	15.39	6.061	0.0509	4.125	100-110	6.813	277.2	97.6,97.6
120	4.697	2.334	0.0824	0.9416	10.51	1.063	0.1270	2.359	110-120	3.939	281.1	99,99
130	2.734	1.340	0.1776	0.1970	3.139	0.2529	0.2157	1.099	120-130	1.636	282.7	99.6,99.6
140	0.4263	0.5759	0.2726	0.2606	0.2972	0.3162	0.3110	0.3752	130-140	0.5595	283.3	99.8,99.8
150	0.4199	0.3919	0.3488	0.3242	0.3682	0.3919	0.3809	0.4452	140-150	0.2346	283.5	99.9,99.9
160	0.4522	0.4298	0.3995	0.3815	0.4265	0.4362	0.4505	0.4705	150-160	0.1884	283.7	99.9,99.9
170	0.4586	0.4613	0.4503	0.4386	0.4715	0.4804	0.4695	0.4705	160-170	0.1265	283.9	100,100
180	0.4715	0.4678	0.4632	0.4642	0.4715	0.4804	0.4695	0.4705	170-180	0.0442	283.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KEVINLI
 Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
 Humidity:65.0%
 Test Distance:9.650m [K=1.0000]
 Remarks: S3528L120V24NW40K8IP67-5-004010

LUMINANCE LIMITATION CURVES

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	36774	0
80	24117	4109
75	20837	8501
70	19541	11323
65	18923	13410
60	18606	14948
55	18454	16216
50	18408	17249
45	18422	17850

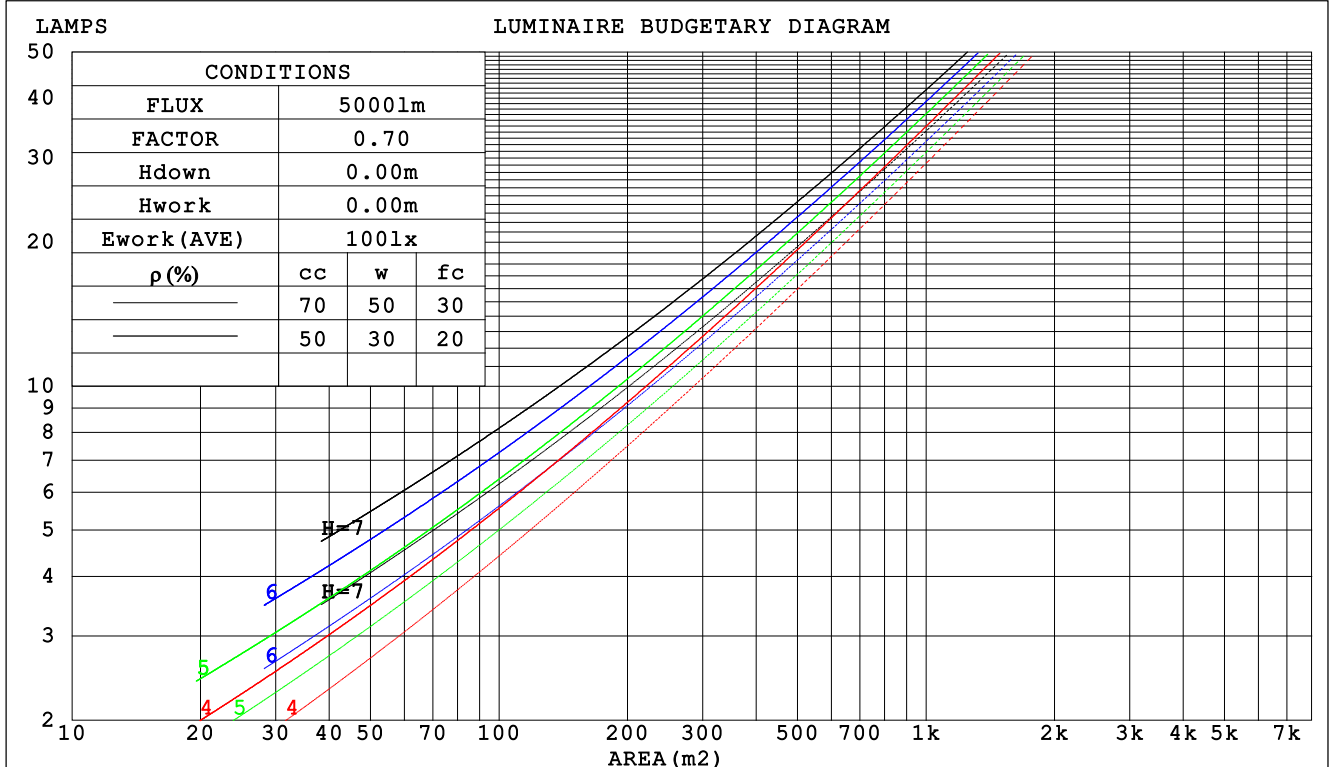
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.17	1.17	1.17	1.13	1.13	1.13	1.07	1.07	1.07	1.00	1.00	1.00	.95	.95	.95	.92
1.0	.00	.95	.90	.97	.92	.88	.91	.87	.84	.85	.83	.80	.81	.78	.76	.73
2.0	.86	.79	.72	.83	.77	.71	.78	.73	.68	.74	.69	.65	.70	.66	.62	.60
3.0	.75	.66	.59	.73	.65	.58	.69	.62	.56	.65	.59	.54	.61	.56	.52	.50
4.0	.66	.57	.50	.64	.56	.49	.61	.53	.47	.57	.51	.46	.54	.49	.44	.42
5.0	.59	.49	.43	.57	.48	.42	.54	.46	.41	.51	.45	.39	.49	.43	.38	.36
6.0	.53	.43	.37	.51	.43	.36	.49	.41	.35	.46	.40	.34	.44	.38	.33	.31
7.0	.48	.39	.32	.46	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.30	.27
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.38	.32	.27	.37	.31	.26	.24
9.0	.40	.31	.26	.39	.31	.25	.37	.30	.25	.35	.29	.24	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.22	.33	.26	.22	.31	.26	.22	.20



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

WEC AND CCEC

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm					
NAME: 004010			TYPE:004010		WEIGHT:
SPEC.:1000*4*10			DIM.: 1000*4*10		SERIAL No.:
MFR.: BLUEVISION			SUR.:1000*4		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.352	.200	.063	.343	.195	.062	.324	.186	.059	.308	.178	.057	.292	.170	.055		
2.0	.316	.173	.053	.307	.169	.052	.291	.162	.050	.276	.155	.048	.262	.148	.047		
3.0	.286	.152	.046	.278	.149	.045	.263	.143	.043	.250	.137	.042	.237	.131	.041		
4.0	.260	.135	.040	.253	.132	.039	.240	.127	.038	.228	.122	.037	.216	.118	.036		
5.0	.238	.121	.035	.232	.119	.035	.220	.115	.034	.209	.110	.033	.199	.106	.032		
6.0	.219	.110	.031	.214	.108	.031	.203	.104	.030	.193	.100	.029	.184	.097	.029		
7.0	.203	.100	.028	.198	.099	.028	.188	.095	.027	.179	.092	.027	.171	.089	.026		
8.0	.189	.092	.026	.184	.091	.026	.175	.088	.025	.167	.085	.024	.160	.082	.024		
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.157	.079	.022	.150	.076	.022		
10.0	.165	.079	.022	.162	.078	.022	.154	.076	.021	.147	.073	.021	.141	.071	.020		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.253	.253	.253	.216	.216	.216	.147	.147	.147	.085	.085	.085	.027	.027	.027	
1.0	.246	.218	.194	.210	.187	.167	.144	.129	.115	.083	.075	.067	.027	.024	.022	
2.0	.238	.195	.158	.204	.168	.137	.140	.116	.095	.081	.068	.056	.026	.022	.018	
3.0	.231	.178	.135	.198	.153	.117	.136	.107	.082	.078	.062	.049	.025	.020	.016	
4.0	.223	.165	.120	.191	.142	.105	.132	.099	.074	.076	.058	.044	.025	.019	.014	
5.0	.216	.155	.110	.185	.134	.096	.128	.094	.068	.074	.055	.040	.024	.018	.013	
6.0	.208	.147	.102	.179	.127	.089	.123	.089	.063	.072	.052	.038	.023	.017	.012	
7.0	.201	.140	.097	.173	.121	.084	.120	.085	.060	.069	.050	.036	.022	.016	.012	
8.0	.195	.134	.093	.168	.116	.081	.116	.082	.057	.067	.048	.034	.022	.016	.011	
9.0	.188	.129	.089	.162	.112	.078	.112	.079	.055	.066	.047	.033	.021	.015	.011	
10.0	.183	.125	.087	.157	.109	.076	.109	.076	.054	.064	.045	.032	.021	.015	.011	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

UGR(Unified Glare Rating) Table

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm										
NAME: 004010					TYPE:004010			WEIGHT:		
SPEC.:1000*4*10					DIM.: 1000*4*10			SERIAL No.:		
MFR.: BLUEVISION					SUR.:1000*4			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	26.8	28.2	27.1	28.6	29.0	26.1	27.6	26.5	27.9	28.3
3H	28.6	30.0	29.1	30.4	30.8	27.3	28.7	27.7	29.1	29.5
4H	29.5	30.8	30.0	31.2	31.7	27.7	29.0	28.1	29.4	29.8
6H	30.4	31.6	30.9	32.1	32.5	27.8	29.0	28.2	29.4	29.9
8H	30.9	32.0	31.3	32.5	32.9	27.8	28.9	28.2	29.4	29.8
12H	31.4	32.5	31.8	32.9	33.4	27.7	28.8	28.2	29.3	29.8
4H 2H	27.4	28.7	27.8	29.1	29.5	26.9	28.1	27.3	28.5	29.0
3H	29.5	30.6	29.9	31.0	31.5	28.3	29.5	28.8	29.9	30.4
4H	30.5	31.6	31.0	32.0	32.6	28.9	29.9	29.4	30.4	30.9
6H	31.6	32.5	32.1	33.0	33.6	29.2	30.1	29.7	30.6	31.1
8H	32.2	33.0	32.7	33.5	34.1	29.2	30.1	29.7	30.6	31.1
12H	32.8	33.6	33.3	34.1	34.7	29.2	30.0	29.7	30.5	31.1
8H 4H	30.8	31.7	31.4	32.2	32.8	29.4	30.3	30.0	30.8	31.4
6H	32.2	32.9	32.7	33.4	34.0	30.0	30.7	30.6	31.3	31.9
8H	32.9	33.5	33.5	34.1	34.7	30.2	30.8	30.8	31.4	32.0
12H	33.7	34.3	34.3	34.8	35.5	30.3	30.9	30.9	31.5	32.1
12H 4H	30.8	31.6	31.4	32.2	32.8	29.5	30.3	30.1	30.9	31.4
6H	32.2	32.9	32.8	33.5	34.1	30.2	30.9	30.8	31.5	32.1
8H	33.0	33.6	33.6	34.2	34.8	30.6	31.1	31.2	31.7	32.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 283.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -4.4)
Area: 0.004 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

UTILIZATION FACTORS TABLE

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:

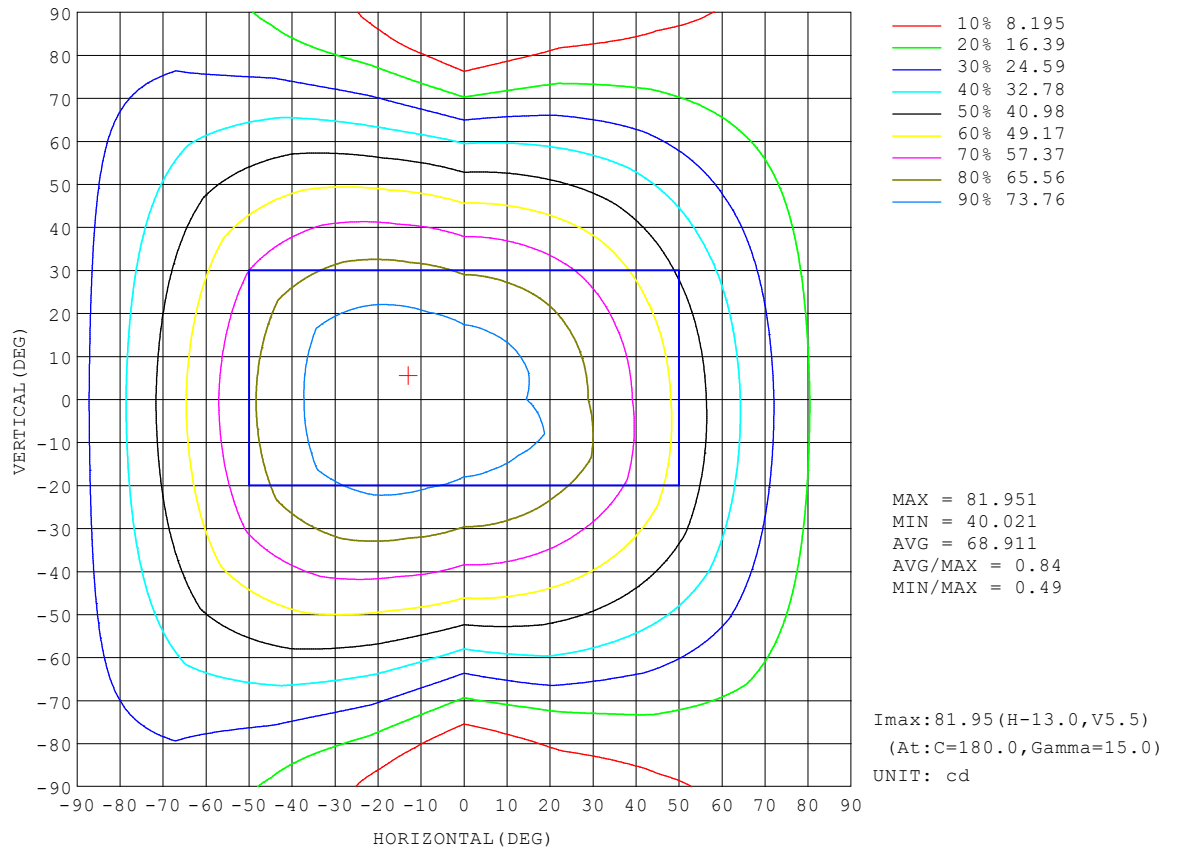
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	52	40	33	52	40	33	50	39	33	26
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	50	69	57	50	66	58	49	41
1.25	77	65	58	75	65	57	72	63	56	48
1.50	82	71	63	80	70	62	76	68	61	52
2.00	89	79	72	87	78	71	83	75	69	59
2.50	94	84	77	91	83	76	86	79	74	63
3.00	97	89	82	94	87	81	89	83	78	67
4.00	102	95	89	98	92	87	93	88	84	72
5.00	104	98	93	101	96	91	95	91	87	75
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

ISOCANDELA DIAGRAM

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:

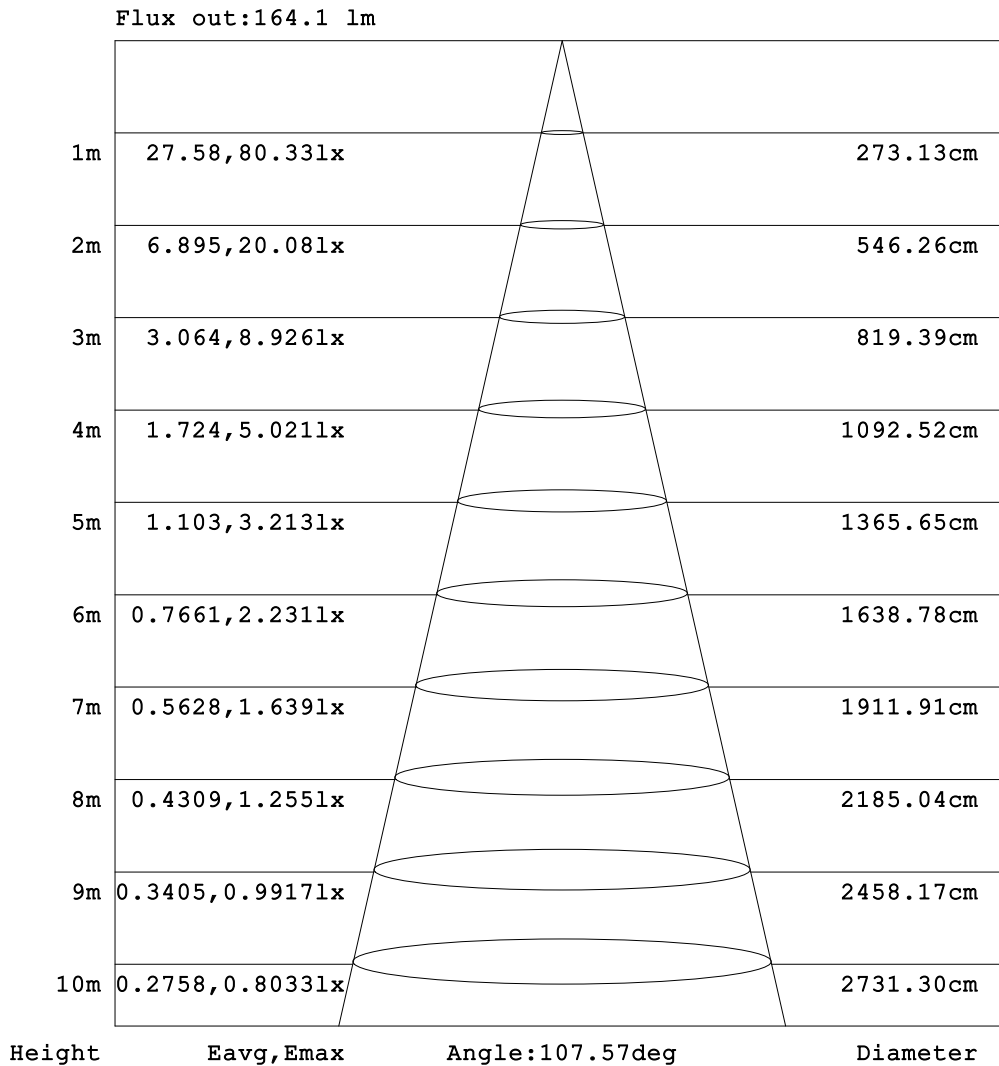


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

AAI Figure

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:



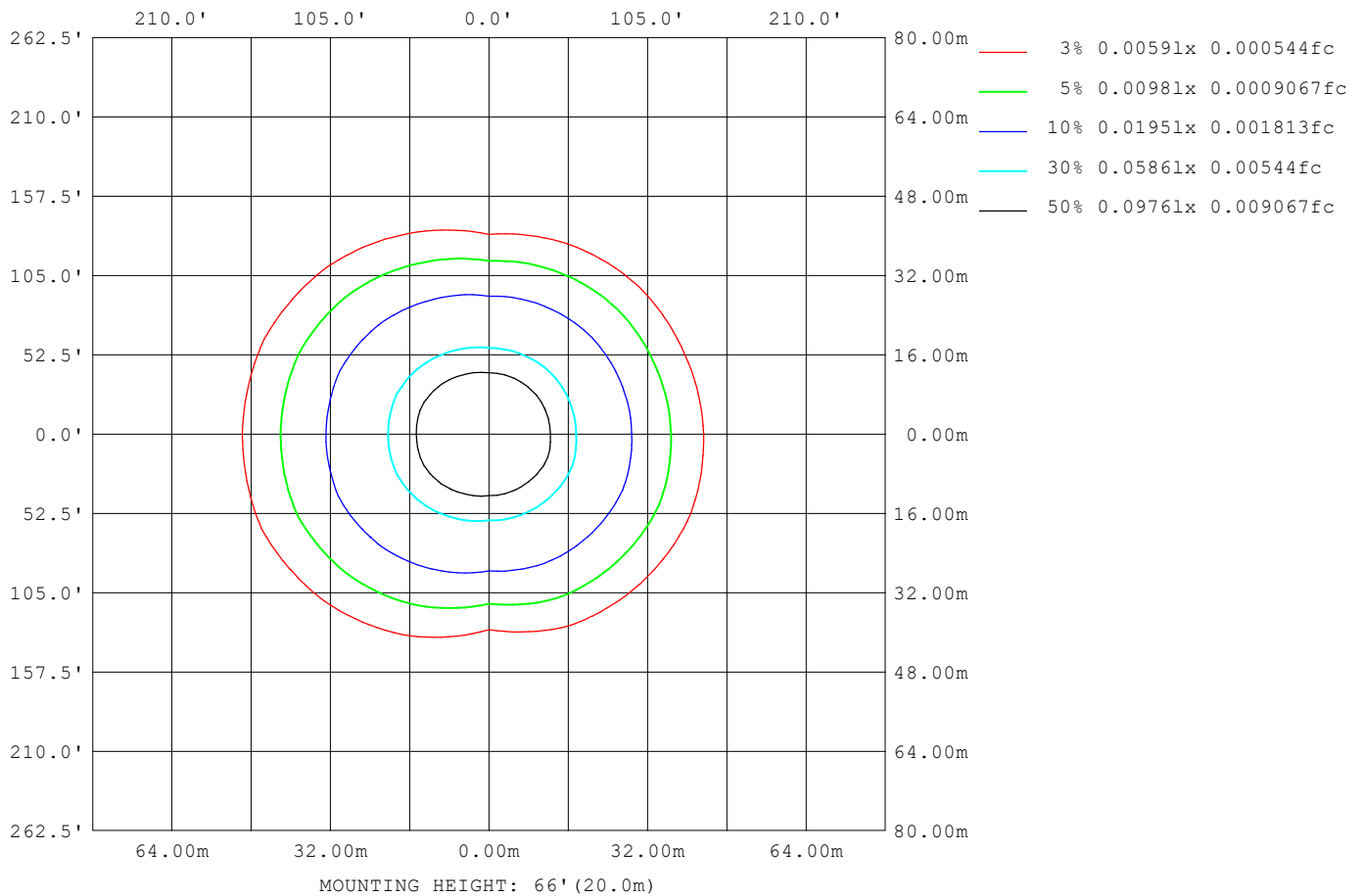
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

ISOLUX DIAGRAM

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:KEVINLI
Test Date:2020-08-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity:65.0%
Test Distance:9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

LED Avg.L Report

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:

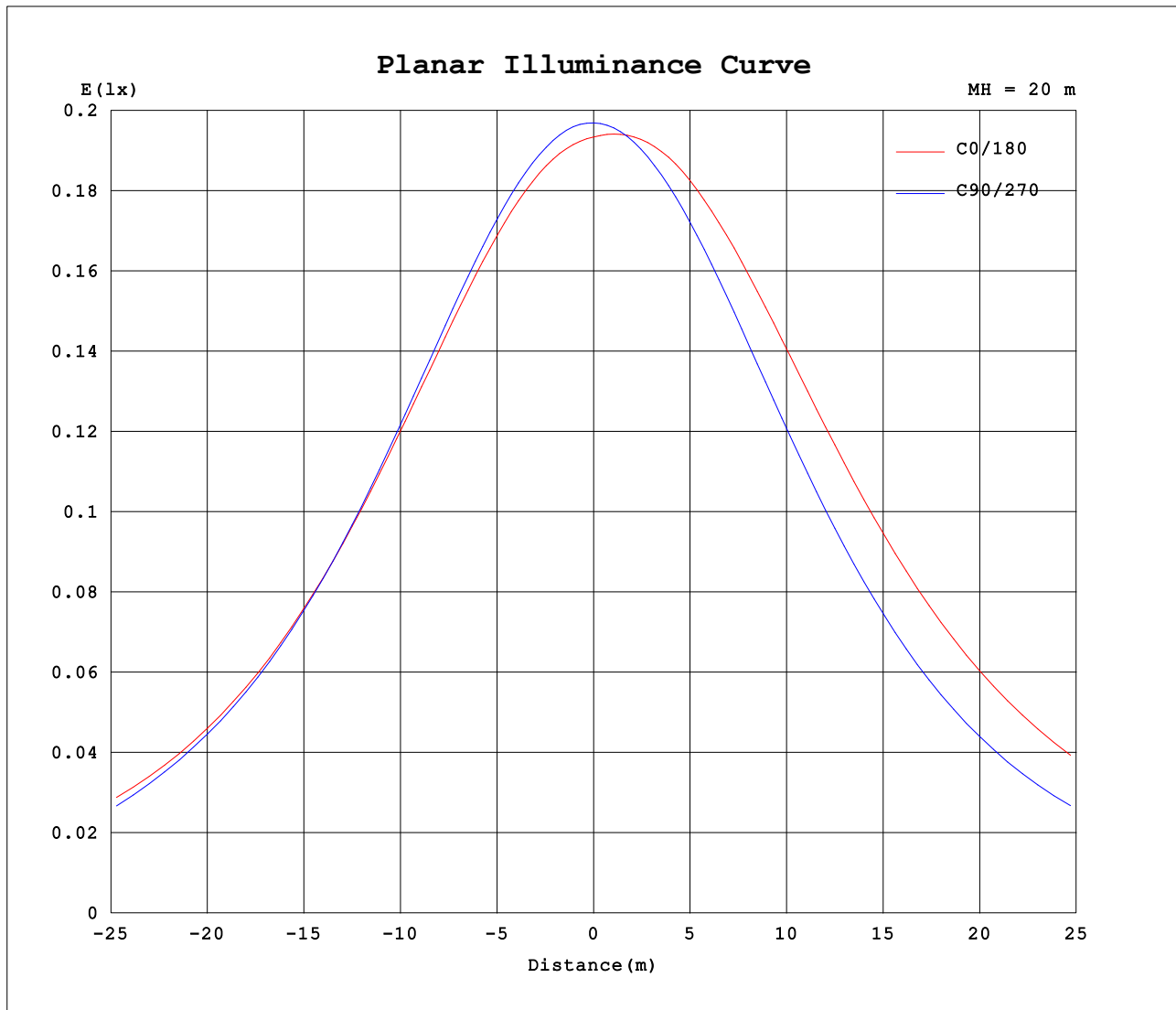
AvgL	cd/m2
L_0~180 (65) av	24309
L_0~180 (75) av	28787
L_0~180 (85) av	57103
L_90~270 (65) av	13922
L_90~270 (75) av	8915
L_90~270 (85) av	0
L_45 (65) av	21369
L_45 (75) av	23620
L_45 (85) av	40800

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:KEVINLI
 Test Date:2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.412
 Humidity:65.0%
 Test Distance:9.650m [K=1.0000]
 Remarks: S3528L120V24NW40K8IP67-5-004010

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: KEVINLI
Test Date: 2020-08-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.412
Humidity: 65.0%
Test Distance: 9.650m [K=1.0000]
Remarks: S3528L120V24NW40K8IP67-5-004010

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.045V I:0.4000A P:9.6180W PF:1.0000 Freq:0Hz Lamp Flux:283.901x1 lm		
NAME: 004010	TYPE:004010	WEIGHT:
SPEC.:1000*4*10	DIM.: 1000*4*10	SERIAL No.:
MFR.: BLUEVISION	SUR.:1000*4	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8			
5	78.0	78.1	78.1	78.2	78.5	78.8	79.2	79.5	79.9	79.6	79.2	78.8	78.3	78.1	78.0	77.9			
10	76.7	76.9	76.8	76.9	77.3	78.1	79.4	80.3	80.9	80.3	79.2	78.1	77.0	76.7	76.7	76.5			
15	74.9	75.1	75.0	75.0	75.3	76.8	79.1	80.7	81.5	80.5	78.8	76.7	75.0	74.6	74.6	74.5			
20	72.4	72.6	72.5	72.4	72.6	74.8	78.1	80.4	81.3	80.1	77.7	74.6	72.2	71.9	72.0	71.8			
25	69.4	69.7	69.3	69.1	69.2	72.2	76.4	79.5	80.4	78.8	75.9	71.8	68.7	68.5	68.8	68.6			
30	65.9	66.1	65.7	65.3	65.3	68.9	74.0	77.7	78.8	76.9	73.3	68.5	64.7	64.6	65.0	64.9			
35	61.9	62.2	61.6	61.1	60.7	65.0	70.9	75.3	76.4	74.2	70.2	64.5	60.1	60.2	60.8	60.7			
40	57.6	57.9	57.2	56.4	55.8	60.6	67.3	72.2	73.3	70.9	66.5	60.1	55.1	55.5	56.3	56.3			
45	53.0	53.2	52.4	51.3	50.5	55.9	63.1	68.5	69.6	67.0	62.2	55.3	49.8	50.4	51.4	51.5			
50	48.2	48.3	47.4	46.0	44.4	50.7	58.5	64.2	65.3	62.5	57.5	50.1	44.2	45.0	46.3	46.5			
55	43.1	43.2	42.0	40.5	37.2	45.3	53.5	59.5	60.5	57.6	52.4	44.6	38.3	39.5	41.0	41.3			
60	37.9	37.9	36.4	34.7	29.9	39.5	48.1	54.3	55.2	52.3	47.0	38.8	32.0	33.7	35.5	36.0			
65	32.6	32.5	31.0	28.7	22.7	33.6	42.4	48.8	49.6	46.7	41.2	32.9	24.4	27.8	29.9	30.5			
70	27.2	27.0	25.2	21.4	15.5	27.5	36.5	42.9	43.7	40.7	35.3	26.8	16.8	21.8	24.2	25.0			
75	22.0	21.6	19.6	15.0	8.80	21.3	30.4	36.8	37.6	34.6	29.2	20.7	9.66	15.9	18.6	19.8			
80	17.1	16.5	14.3	10.2	2.85	15.4	24.4	30.9	31.8	28.8	23.4	14.9	3.81	10.4	13.5	15.0			
85	13.1	12.3	9.89	6.06	0.00	10.3	19.2	25.5	26.8	23.9	18.4	10.1	0.00	5.94	9.35	11.3			
90	10.5	9.65	7.29	3.53	0.00	7.18	15.7	21.5	23.3	20.6	15.3	7.39	0.00	3.43	6.95	9.13			
95	9.09	8.33	6.21	2.73	0.00	5.72	13.6	19.0	21.1	18.5	13.5	5.77	0.00	2.67	5.93	8.11			
100	8.32	7.62	5.56	2.29	0.00	3.55	11.9	16.9	19.2	16.4	11.6	3.70	0.00	2.29	5.29	7.39			
105	7.59	6.92	4.98	1.85	0.00	1.34	10.1	15.1	17.3	14.5	9.72	1.30	0.03	1.70	4.73	6.71			
110	6.84	6.22	4.40	1.34	0.01	0.10	5.82	13.1	15.4	12.5	6.06	0.10	0.05	1.26	4.13	6.02			
115	6.00	5.52	3.38	0.80	0.05	0.13	3.14	9.71	13.1	9.28	2.84	0.10	0.09	0.76	3.26	5.36			
120	4.70	4.59	2.33	0.51	0.08	0.18	0.94	4.92	10.5	5.18	1.06	0.13	0.13	0.48	2.36	4.44			
125	3.89	3.80	1.66	0.36	0.13	0.22	0.19	3.23	6.76	2.83	0.22	0.15	0.17	0.27	1.59	3.55			
130	2.73	2.58	1.34	0.27	0.18	0.25	0.20	0.84	3.14	1.19	0.25	0.20	0.22	0.23	1.10	2.56			
135	1.92	1.66	0.94	0.30	0.23	0.29	0.25	0.28	1.97	0.27	0.28	0.23	0.25	0.23	0.69	1.91			
140	0.43	1.03	0.58	0.36	0.27	0.32	0.26	0.31	0.30	0.27	0.32	0.26	0.31	0.27	0.38	1.09			
145	0.42	0.44	0.39	0.39	0.30	0.35	0.30	0.36	0.34	0.29	0.35	0.29	0.34	0.34	0.41	0.44			
150	0.42	0.47	0.39	0.42	0.35	0.39	0.32	0.38	0.37	0.32	0.39	0.34	0.38	0.36	0.45	0.43			
155	0.43	0.47	0.42	0.44	0.37	0.42	0.36	0.41	0.39	0.36	0.40	0.35	0.42	0.39	0.47	0.44			
160	0.45	0.47	0.43	0.47	0.40	0.44	0.38	0.44	0.43	0.37	0.44	0.38	0.45	0.41	0.47	0.44			
165	0.46	0.47	0.44	0.48	0.43	0.46	0.41	0.46	0.46	0.41	0.45	0.41	0.47	0.44	0.47	0.46			
170	0.46	0.47	0.46	0.48	0.45	0.46	0.44	0.48	0.47	0.43	0.48	0.44	0.47	0.44	0.47	0.47			
175	0.46	0.47	0.46	0.48	0.46	0.46	0.46	0.48	0.47	0.45	0.48	0.45	0.47	0.46	0.47	0.47			
180	0.47	0.47	0.47	0.48	0.46	0.46	0.46	0.48	0.47	0.47	0.48	0.46	0.47	0.46	0.47	0.47			

C Range: 0 - 360DEG
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