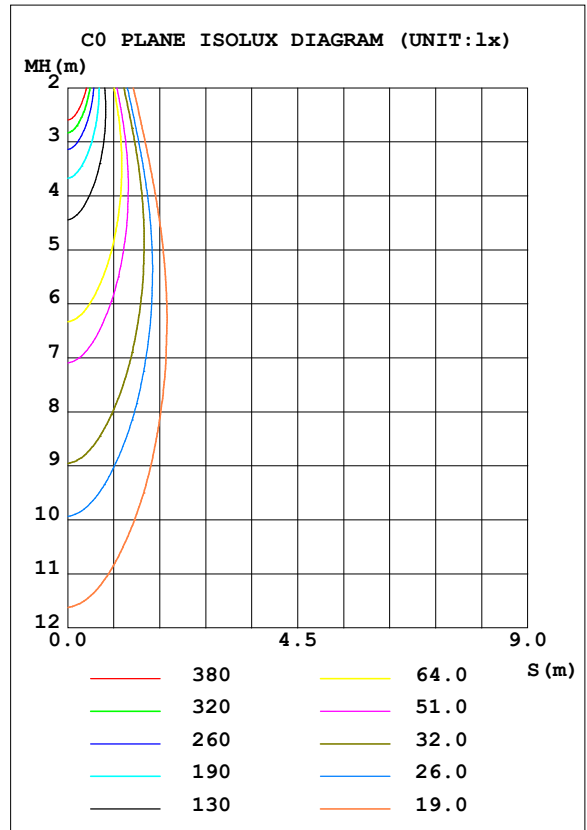
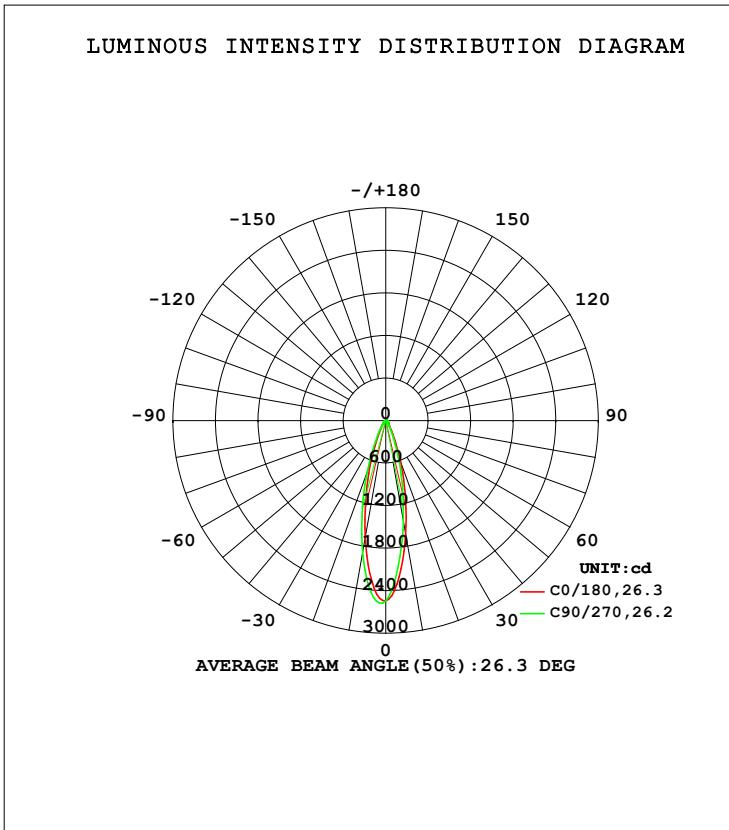


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.16 lm/W			
MODEL	LED-4-S9W-3KWH-FG	I _{max} (cd)	2575	S/MH (C0/180)	0.44
NOMINAL POWER (W)	9	LOR (%)	100.0	S/MH (C90/270)	0.50
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	789.52	η UP, DN (C0-180)	0.0, 45.0
NOMINAL FLUX (lm)	789.523	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 55.0
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	120	η down (%)	100.0	CIBSE SHR MAX	0.50



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

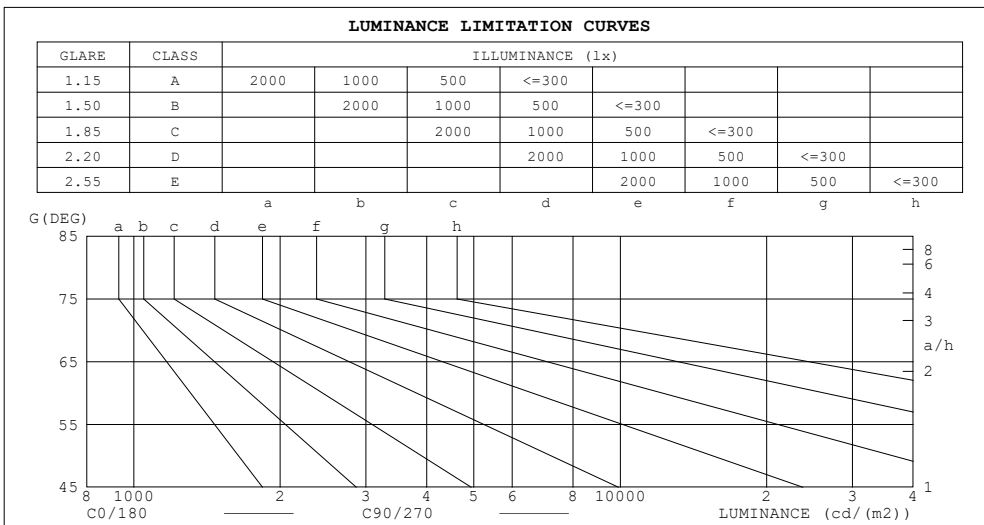
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	1629	1458	1437	1541	1670	1794	1891	1839	0- 10	194.9	194.9	24.7,24.7
20	608.7	478.9	481.1	539.3	611.9	665.5	759.4	754.7	10- 20	295.2	490.1	62.1,62.1
30	163.9	139.2	132.2	142.8	158.7	182.7	198.5	193.1	20- 30	148.2	638.2	80.8,80.8
40	63.42	56.14	52.61	54.29	59.15	69.12	73.85	70.64	30- 40	63.37	701.6	88.9,88.9
50	32.88	31.28	30.45	30.79	31.94	34.93	37.41	36.22	40- 50	34.77	736.4	93.3,93.3
60	21.54	21.19	21.08	21.34	21.57	22.30	23.88	23.24	50- 60	24.09	760.5	96.3,96.3
70	14.35	13.46	10.45	13.56	14.62	15.27	16.17	15.77	60- 70	18.12	778.6	98.6,98.6
80	4.844	3.428	1.997	3.453	5.091	5.137	4.657	5.092	70- 80	9.458	788.1	99.8,99.8
90	0.0351	0.0289	0.0277	0.0269	0.0453	0.0472	0.0478	0.0447	80- 90	1.468	789.5	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

LUMINANCE LIMITATION CURVES

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	116	9
80	253	103
75	344	205
70	381	275
65	389	372
60	391	379
55	413	394
50	465	426
45	567	491

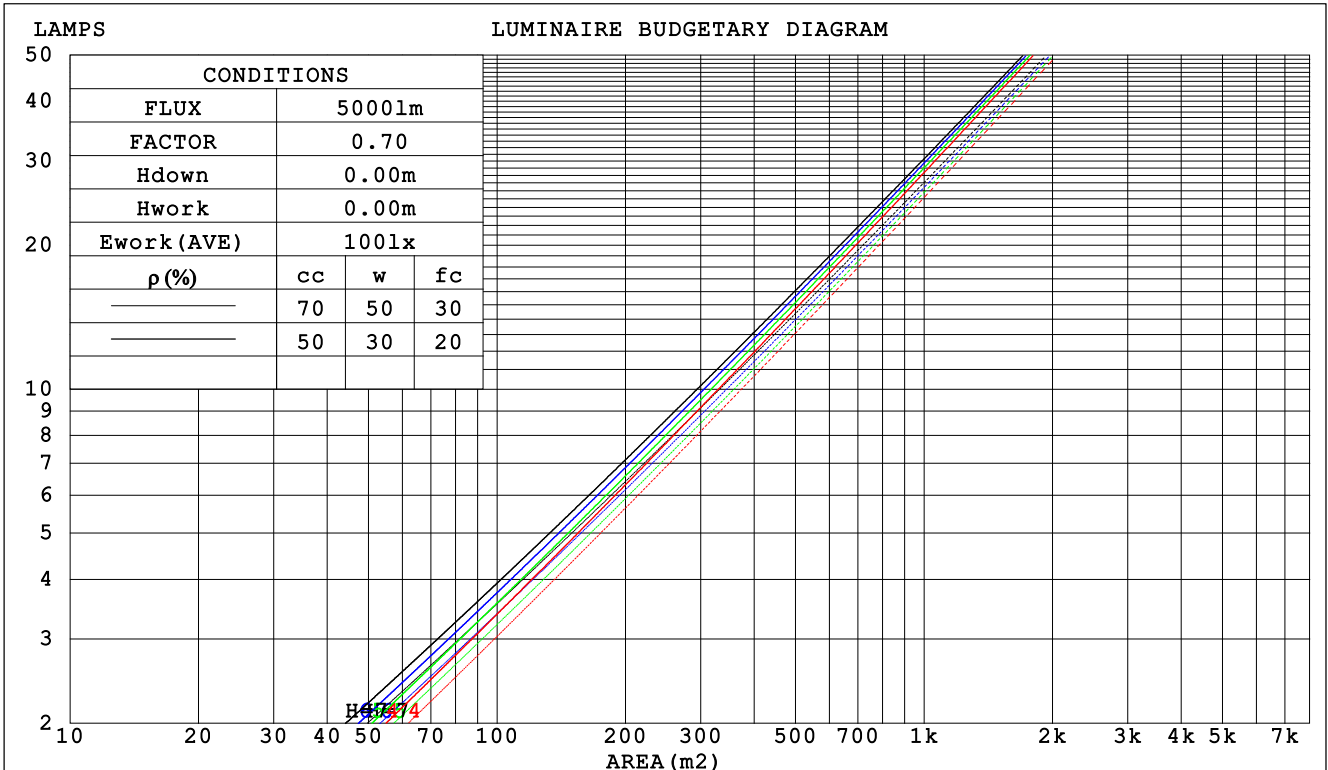
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.04	1.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.92	.93	.92	.90	.88
3.0	.98	.93	.90	.97	.92	.89	.94	.91	.88	.92	.89	.86	.89	.87	.85	.83
4.0	.93	.88	.84	.92	.87	.83	.90	.86	.82	.88	.84	.81	.86	.83	.81	.79
5.0	.88	.83	.79	.87	.82	.79	.85	.81	.78	.84	.80	.77	.82	.79	.77	.75
6.0	.84	.79	.75	.83	.78	.75	.82	.77	.74	.80	.77	.74	.79	.76	.73	.72
7.0	.80	.75	.71	.80	.75	.71	.79	.74	.71	.77	.73	.71	.76	.73	.70	.69
8.0	.77	.72	.68	.76	.72	.68	.75	.71	.68	.75	.71	.68	.74	.70	.67	.66
9.0	.74	.69	.66	.74	.69	.65	.73	.68	.65	.72	.68	.65	.71	.67	.65	.64
10.0	.71	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.63	.69	.65	.63	.61



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

WEC AND CCEC

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.171	.097	.031	.164	.094	.030	.152	.087	.028	.140	.081	.026	.130	.075	.024	
2.0	.161	.088	.027	.155	.086	.026	.145	.081	.025	.135	.076	.024	.126	.071	.022	
3.0	.151	.080	.024	.146	.078	.024	.137	.074	.023	.129	.070	.022	.121	.067	.021	
4.0	.141	.073	.022	.137	.072	.021	.129	.069	.020	.122	.066	.020	.116	.063	.019	
5.0	.133	.068	.020	.129	.066	.019	.122	.064	.019	.116	.061	.018	.111	.059	.018	
6.0	.125	.063	.018	.122	.062	.018	.116	.060	.017	.111	.058	.017	.106	.056	.017	
7.0	.118	.058	.017	.116	.058	.016	.111	.056	.016	.106	.054	.016	.101	.053	.015	
8.0	.112	.055	.015	.110	.054	.015	.105	.053	.015	.101	.051	.015	.097	.050	.015	
9.0	.107	.052	.014	.105	.051	.014	.101	.050	.014	.097	.049	.014	.094	.048	.014	
10.0	.102	.049	.014	.100	.048	.013	.097	.047	.013	.093	.046	.013	.090	.045	.013	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.171	.157	.145	.146	.135	.125	.100	.093	.087	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.114	.133	.114	.098	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.091	.121	.098	.079	.083	.068	.055	.048	.040	.033	.015	.013	.011	
4.0	.130	.099	.074	.112	.085	.065	.077	.059	.046	.044	.035	.027	.014	.011	.009	
5.0	.121	.087	.062	.104	.075	.054	.071	.052	.038	.041	.031	.022	.013	.010	.007	
6.0	.112	.077	.052	.096	.067	.045	.067	.047	.032	.039	.027	.019	.012	.009	.006	
7.0	.105	.069	.044	.090	.060	.039	.062	.042	.027	.036	.025	.016	.012	.008	.005	
8.0	.099	.063	.038	.085	.054	.033	.059	.038	.024	.034	.023	.014	.011	.007	.005	
9.0	.093	.057	.033	.080	.050	.029	.056	.035	.021	.032	.021	.012	.010	.007	.004	
10.0	.088	.053	.029	.076	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

UGR(Unified Glare Rating) Table

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	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	5.8	6.6	6.0	6.8	7.0	5.4	6.2	5.6	6.4	6.5
3H	7.1	7.9	7.3	8.1	8.3	6.4	7.2	6.7	7.4	7.6
4H	7.6	8.4	7.9	8.6	8.8	6.7	7.4	6.9	7.6	7.8
6H	7.9	8.6	8.2	8.8	9.1	6.7	7.4	7.0	7.7	7.9
8H	7.9	8.6	8.2	8.9	9.1	6.7	7.4	7.0	7.6	7.9
12H	7.9	8.6	8.2	8.8	9.1	6.6	7.3	7.0	7.6	7.8
4H 2H	6.3	7.0	6.5	7.2	7.4	5.9	6.7	6.2	6.9	7.1
3H	7.7	8.4	8.1	8.7	8.9	7.1	7.8	7.4	8.0	8.3
4H	8.4	9.0	8.7	9.3	9.6	7.4	8.0	7.7	8.3	8.6
6H	8.8	9.3	9.1	9.6	10.0	7.5	8.0	7.9	8.4	8.7
8H	8.8	9.3	9.2	9.6	10.0	7.5	7.9	7.8	8.3	8.7
12H	8.8	9.2	9.2	9.6	10.0	7.4	7.9	7.8	8.2	8.6
8H 4H	8.5	9.0	8.9	9.3	9.7	7.6	8.1	8.0	8.4	8.8
6H	8.9	9.3	9.3	9.7	10.1	7.7	8.1	8.1	8.5	8.9
8H	9.0	9.4	9.4	9.8	10.2	7.7	8.0	8.1	8.4	8.9
12H	9.0	9.3	9.5	9.7	10.2	7.6	7.9	8.1	8.4	8.8
12H 4H	8.4	8.9	8.8	9.3	9.7	7.5	8.0	8.0	8.4	8.8
6H	8.9	9.2	9.3	9.7	10.1	7.7	8.1	8.1	8.5	8.9
8H	9.0	9.3	9.4	9.7	10.2	7.7	8.0	8.1	8.4	8.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.6				
1.5H	+ 0.7 / - 0.4					+ 0.6 / - 0.6				
2.0H	+ 0.5 / - 0.3					+ 0.4 / - 0.6				

CIE Pub.117, 789.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.8)
 Area: 0.111111 m2

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

UTILIZATION FACTORS TABLE

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

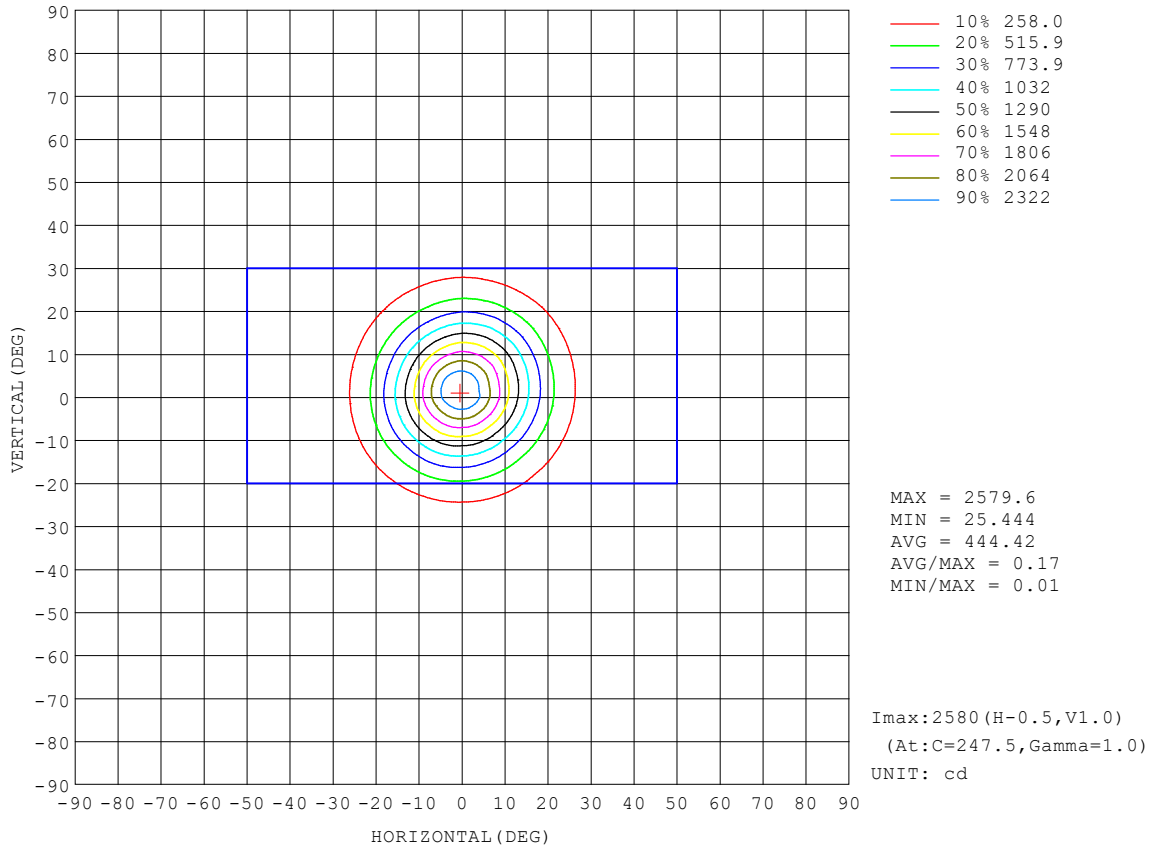
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	85	78	74	84	78	74	83	77	74	70
0.80	92	86	82	92	86	82	90	85	81	77
1.00	97	91	87	96	90	87	94	90	86	82
1.25	101	95	92	100	95	91	98	94	90	86
1.50	104	99	95	103	98	95	101	97	94	89
2.00	107	103	99	106	101	98	103	99	97	91
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	107	105	98
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:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

ISOCANDELA DIAGRAM

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

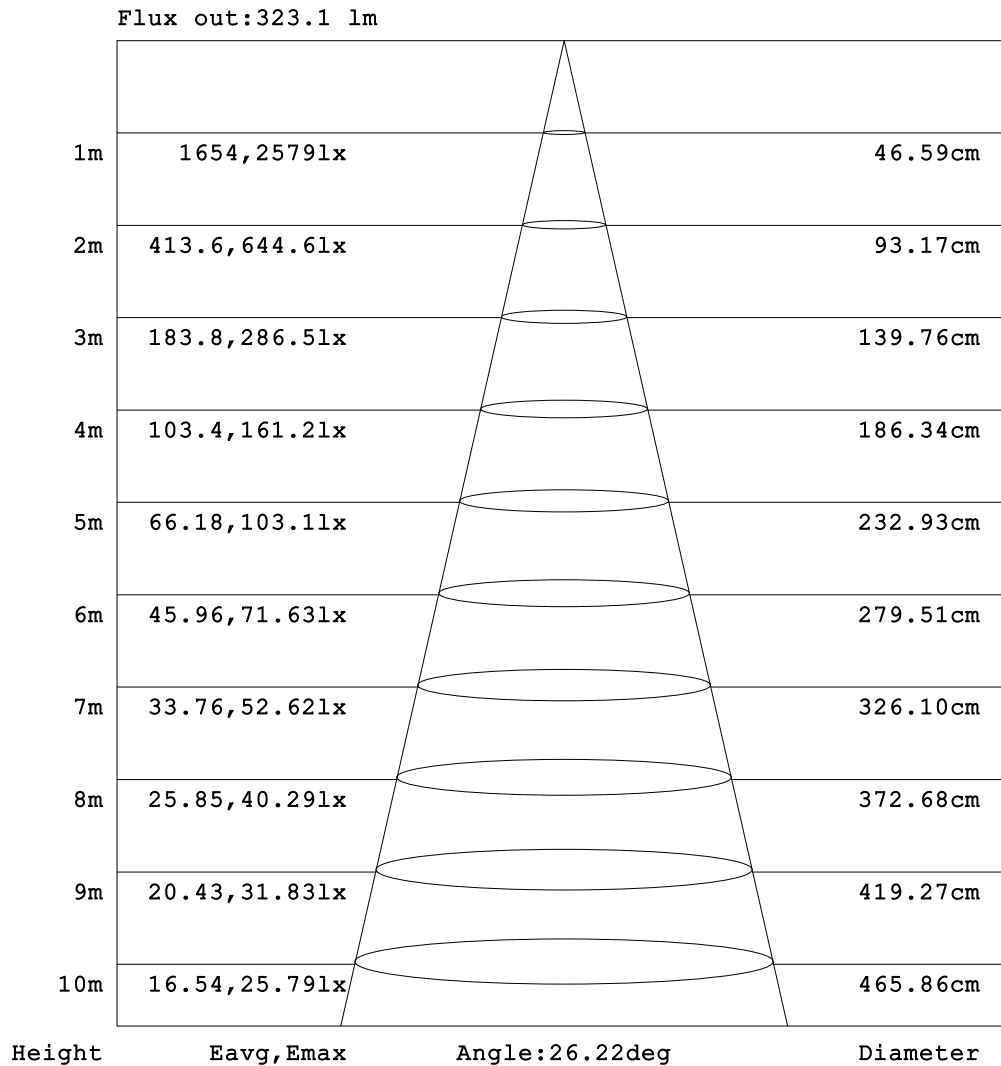


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

AAI Figure

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



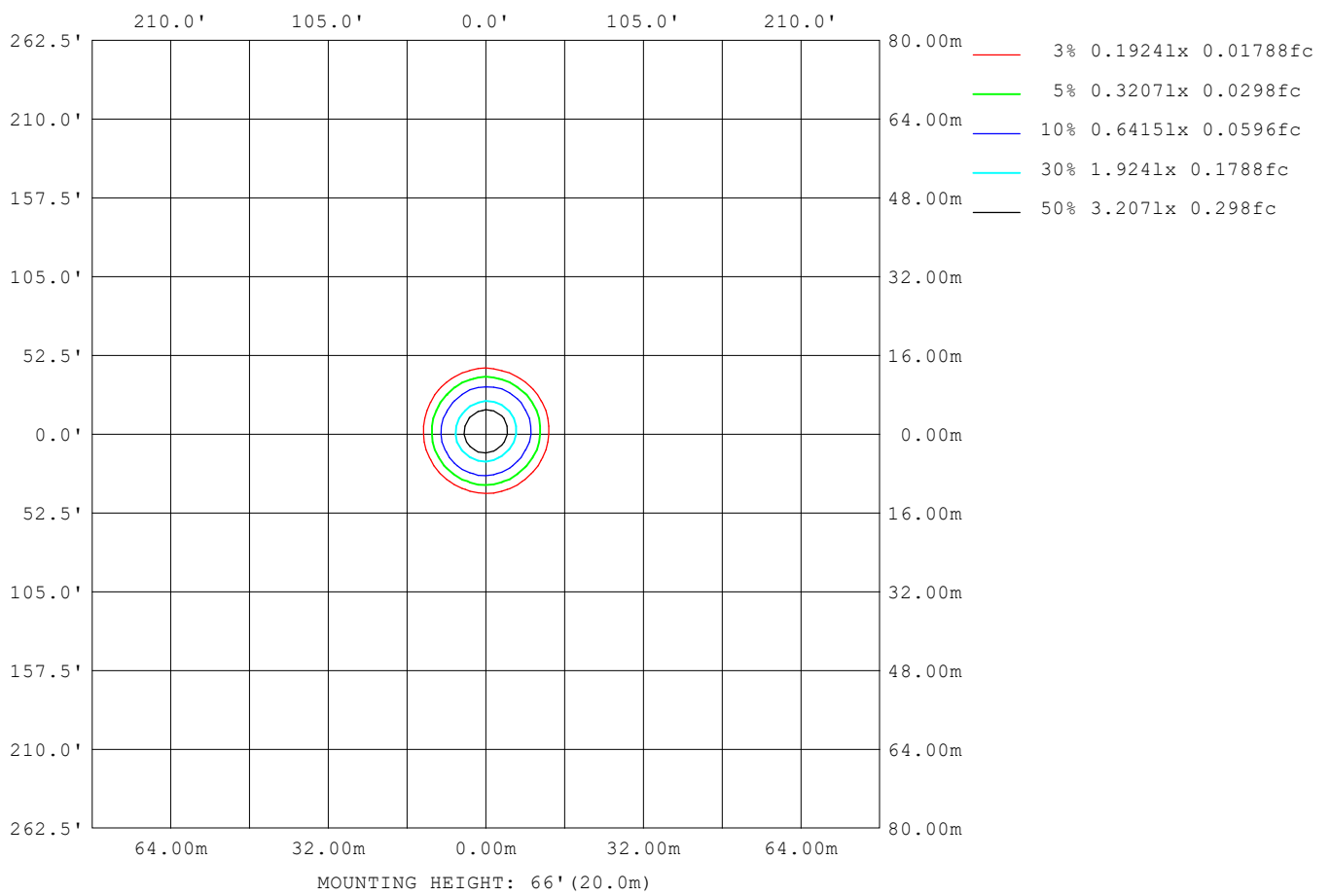
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

ISOLUX DIAGRAM

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

LED Avg.L Report

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE:鸿利	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

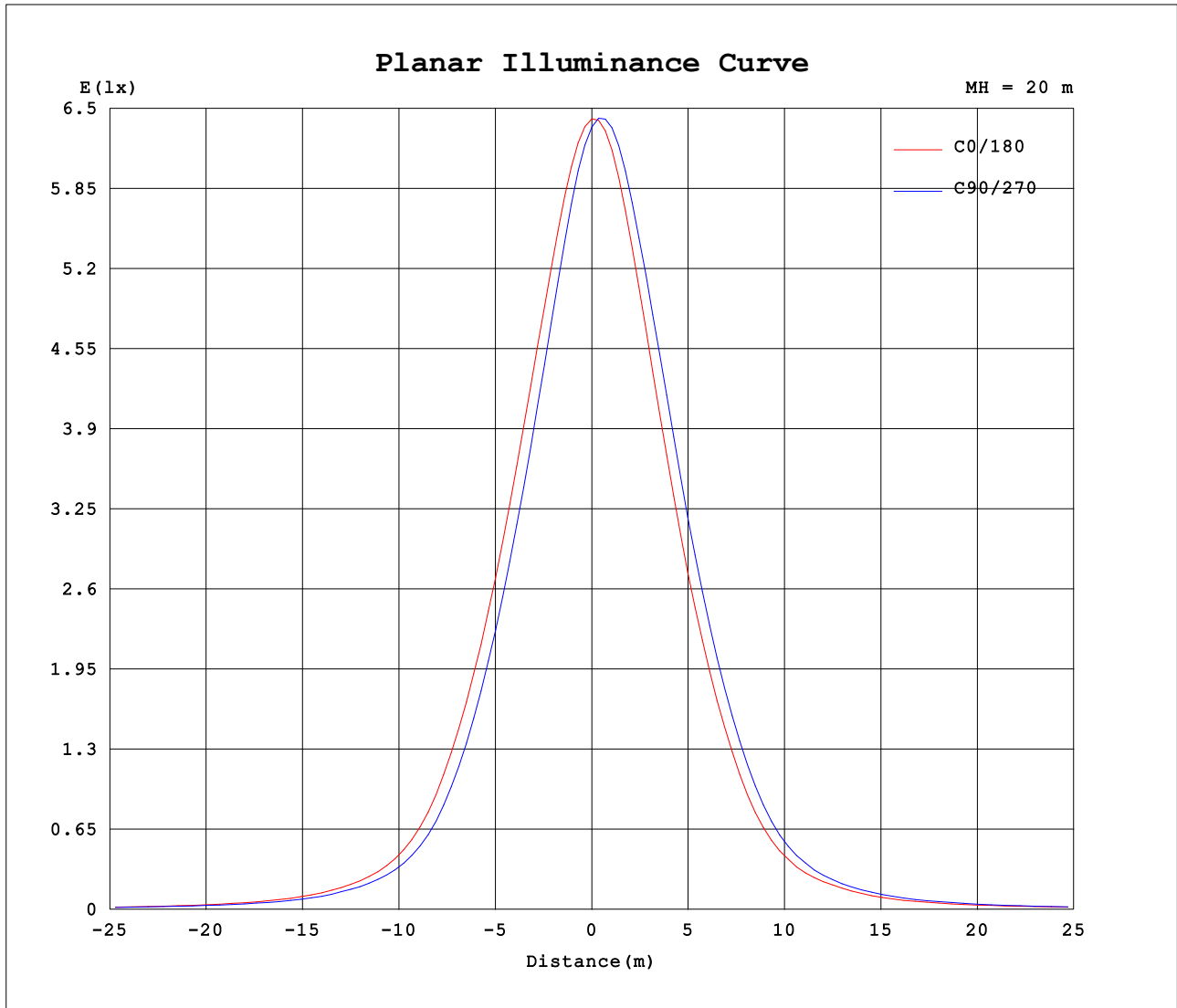
AvgL	cd/m2
L_0~180 (65) av	387
L_0~180 (75) av	350
L_0~180 (85) av	86
L_90~270 (65) av	400
L_90~270 (75) av	253
L_90~270 (85) av	46
L_45 (65) av	393
L_45 (75) av	315
L_45 (85) av	77

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2021-02-20

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks: Energy Efficient Lighting LTD.

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.23V I:0.0829A P:9.1630W PF:0.9195 Freq:59.98Hz Lamp Flux:789.523x1 lm		
NAME: LED-4-S9W-3KWH-FG	TYPE: 鸿利	WEIGHT:
SPEC.: 3000K 90	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	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	2543	2543	2543	2543	2543	2543	2543	2543	2543	2543	2543	2543	2543	2543	2543	2543			
5	2208	2145	2087	2071	2064	2099	2146	2219	2274	2334	2392	2419	2428	2401	2351	2273			
10	1629	1533	1458	1439	1437	1490	1541	1621	1670	1722	1794	1842	1891	1876	1839	1731			
15	1067	970	901	884	898	939	975	1045	1079	1108	1164	1214	1279	1293	1266	1171			
20	609	532	479	471	481	509	539	586	612	631	666	703	759	776	755	687			
25	303	266	239	236	236	245	262	284	299	314	333	355	385	387	380	344			
30	164	150	139	135	132	134	143	152	159	168	183	191	199	194	193	182			
35	98.7	92.4	84.6	81.4	79.4	80.3	84.3	89.4	94.4	102	111	114	117	114	114	108			
40	63.4	60.4	56.1	53.6	52.6	52.7	54.3	56.1	59.2	64.6	69.1	71.9	73.8	72.7	70.6	68.1			
45	44.2	42.6	40.3	39.2	38.6	38.5	39.4	40.1	42.0	45.0	47.8	49.2	50.8	50.6	48.8	47.0			
50	32.9	32.2	31.3	30.9	30.4	30.5	30.8	31.3	31.9	33.3	34.9	36.2	37.4	37.2	36.2	34.6			
55	26.1	25.8	25.4	25.3	25.2	25.3	25.4	25.7	25.8	26.5	27.4	28.4	29.2	29.1	28.4	27.1			
60	21.5	21.4	21.2	21.1	21.1	21.2	21.3	21.6	21.6	21.9	22.3	23.2	23.9	23.8	23.2	22.2			
65	18.1	18.0	17.6	17.5	17.5	17.6	17.9	18.2	18.3	18.4	18.8	19.5	20.1	20.0	19.6	18.6			
70	14.4	14.0	13.5	11.0	10.5	10.7	13.6	14.4	14.6	14.9	15.3	15.7	16.2	15.9	15.8	14.9			
75	9.82	9.60	7.65	6.21	5.91	6.21	7.45	10.00	10.3	10.7	10.4	8.69	8.63	8.76	10.7	10.6			
80	4.84	4.80	3.43	2.47	2.00	2.43	3.45	5.50	5.09	6.23	5.14	4.72	4.66	4.70	5.09	6.09			
85	1.11	0.98	0.11	0.07	0.09	0.08	0.08	1.44	0.55	1.77	1.39	0.90	0.80	0.92	1.39	2.08			
90	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.05	0.04	0.05	0.04	0.04	0.05			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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