

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P772893

Luminaire Tested: LD6D85BD010-EU6DR4570959035-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR4570959035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

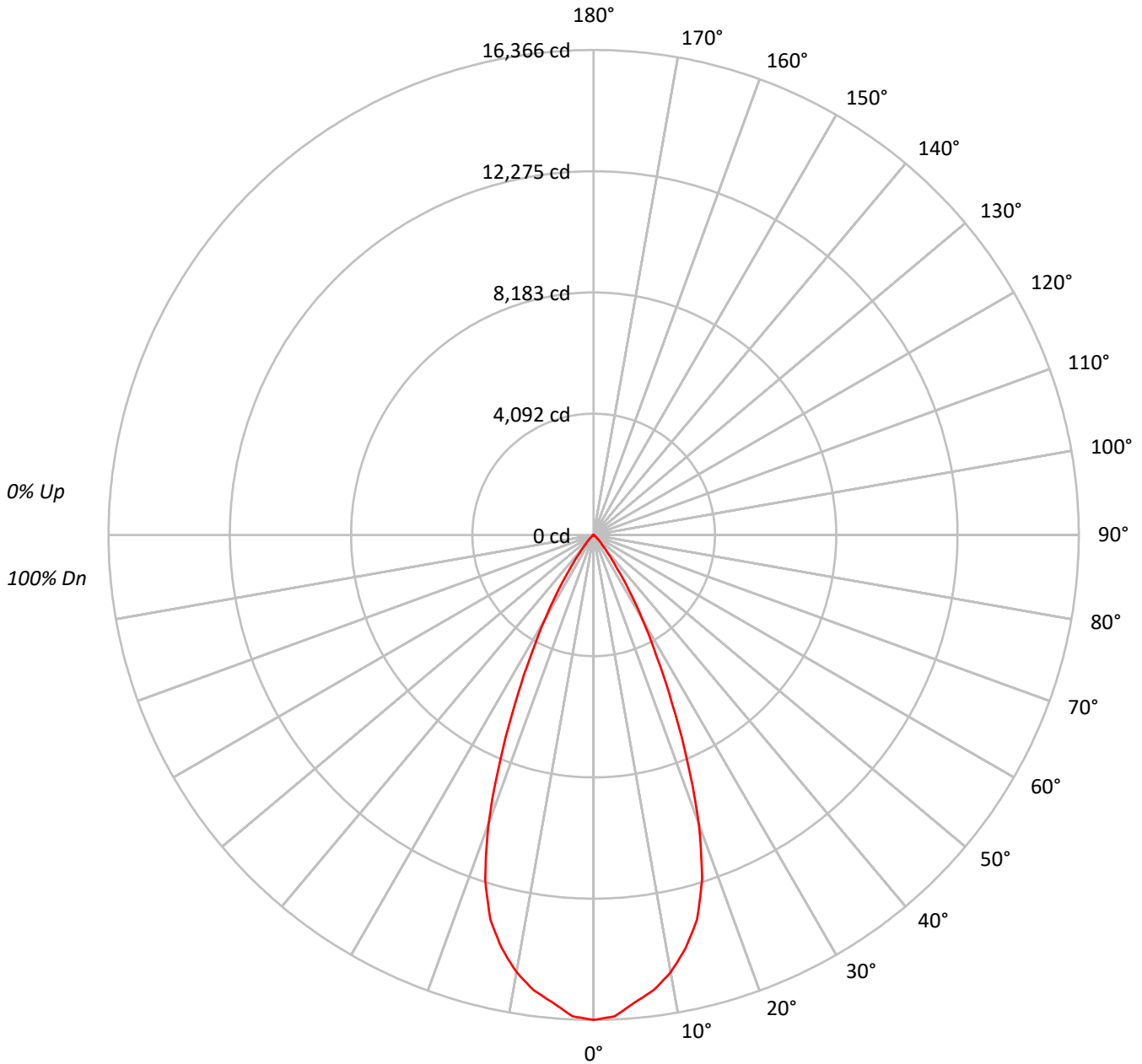
Lumens per Lamp: N/A
Luminaire Lumens: 9259.2 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P772893
CATALOG NUMBER: LD6D85BD010-EU6DR4570959035-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P772893

CATALOG NUMBER: LD6D85BD010-EU6DR4570959035-6LBSQW1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	95	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	90	90	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85	85	85	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	81	81	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77	77	77	77
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73	73	73	73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69	69	69	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66	66	66	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63	63	63	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60	60	60	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1788140
5°	1737225
10°	1662053
15°	1521137
20°	1206784
25°	753414
30°	415254
35°	186456
40°	73440
45°	34612
50°	16403
55°	8591
60°	4217
65°	1008
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34612 cd/sqm



TEST NUMBER: P772893

CATALOG NUMBER: LD6D85BD010-EU6DR4570959035-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1488.3	16.1
10°-20°	3662.8	39.6
20°-30°	2900.6	31.3
30°-40°	965.9	10.4
40°-50°	191.7	2.1
50°-60°	43.5	0.5
60°-70°	6.3	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8051.6	87.0
0°-40°	9017.5	97.4
0°-60°	9252.8	99.9
0°-90°	9259.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9259.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16366	
5°	15839	###
15°	13448	3663
25°	6250	2901
35°	1398	966
45°	224	192
55°	45	44
65°	4	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P772893

CATALOG NUMBER: LD6D85BD010-EU6DR4570959035-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	16365.8
2.5°	16259.0
5°	15839.3
7.5°	15493.1
10°	14980.7
12.5°	14298.5
15°	13447.7
17.5°	12168.2
20°	10378.9
22.5°	8247.3
25°	6249.5
27.5°	4576.1
30°	3291.4
32.5°	2238.5
35°	1397.9
37.5°	829.0
40°	514.9
42.5°	338.5
45°	224.0
47.5°	144.2
50°	96.5
52.5°	64.4
55°	45.1
57.5°	29.6
60°	19.3
62.5°	10.3
65°	3.9
67.5°	1.3
70°	1.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)