

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: P773114

Luminaire Tested: LD6D85BD010-EU6DR6070959030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6070959030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

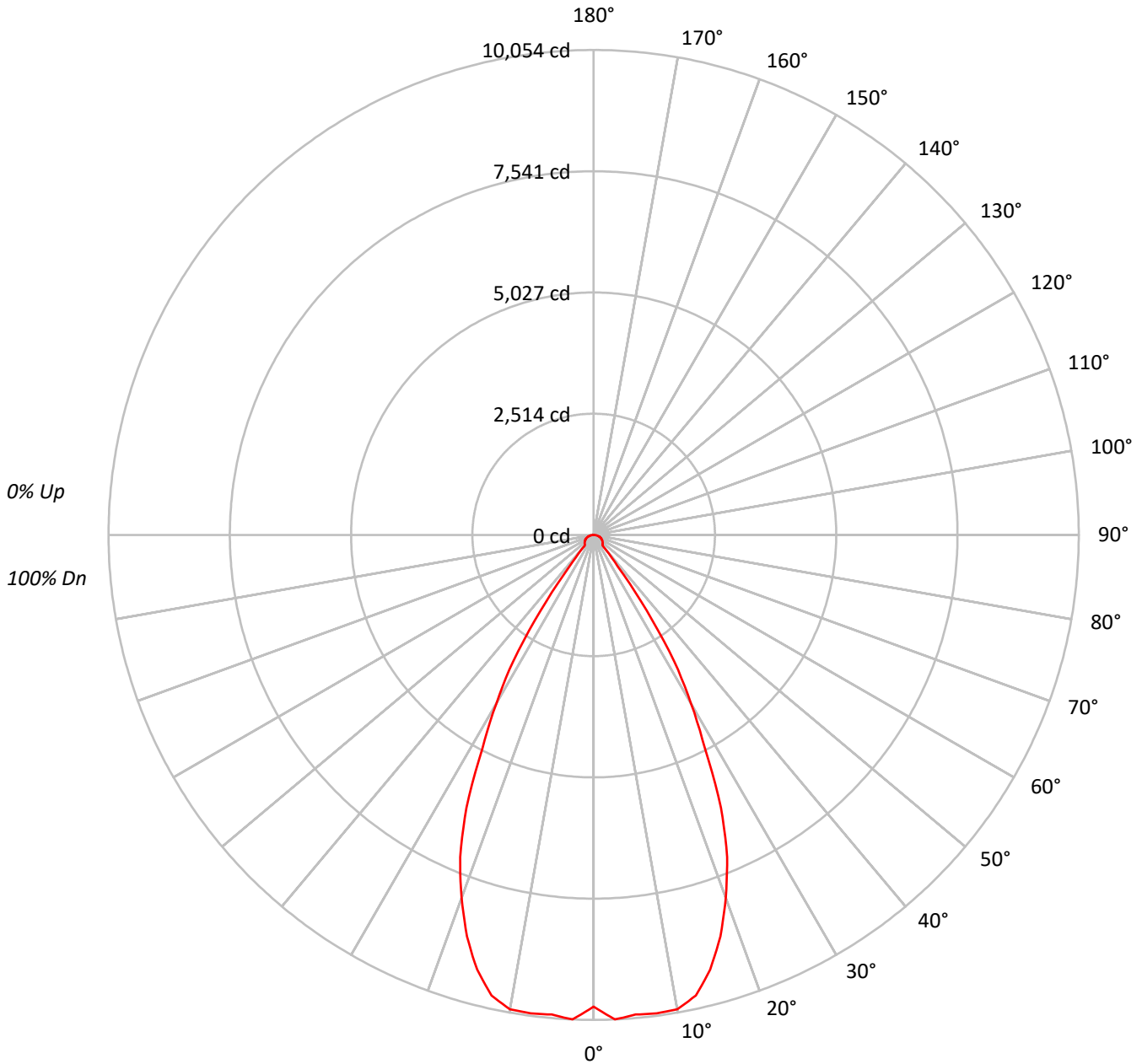
Lumens per Lamp: N/A
Luminaire Lumens: 8234.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1068450
5°	1094719
10°	1107943
15°	1055465
20°	930602
25°	752691
30°	509133
35°	255135
40°	41391
45°	40515
50°	41322
55°	41946
60°	43114
65°	44080
70°	45139
75°	45677
80°	44045
85°	36731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 45677 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	954.0	11.6
10°-20°	2581.0	31.3
20°-30°	2776.9	33.7
30°-40°	1207.1	14.7
40°-50°	202.8	2.5
50°-60°	197.1	2.4
60°-70°	168.6	2.0
70°-80°	112.8	1.4
80°-90°	33.8	0.4
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°	6311.9	76.7
0°-40°	7518.9	91.3
0°-60°	7918.8	96.2
0°-90°	8234.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8234.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9779	
5°	9981	954
15°	9331	2581
25°	6244	2777
35°	1913	1207
45°	262	203
55°	220	197
65°	170	169
75°	108	113
85°	29	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9778.9
2.5°	10053.8
5°	9981.2
7.5°	10004.1
10°	9986.3
12.5°	9780.2
15°	9330.9
17.5°	8727.7
20°	8003.6
22.5°	7228.5
25°	6243.5
27.5°	4993.8
30°	4035.5
32.5°	3110.3
35°	1912.8
37.5°	818.3
40°	290.2
42.5°	267.3
45°	262.2
47.5°	253.3
50°	243.1
52.5°	231.6
55°	220.2
57.5°	208.7
60°	197.3
62.5°	184.5
65°	170.5
67.5°	156.5
70°	141.3
72.5°	124.7
75°	108.2
77.5°	89.1
80°	70.0
82.5°	49.6
85°	29.3
87.5°	10.2
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

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— 0°-180°

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