

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: P773220

Luminaire Tested: LD6D85BD010-EU6DR6570959050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

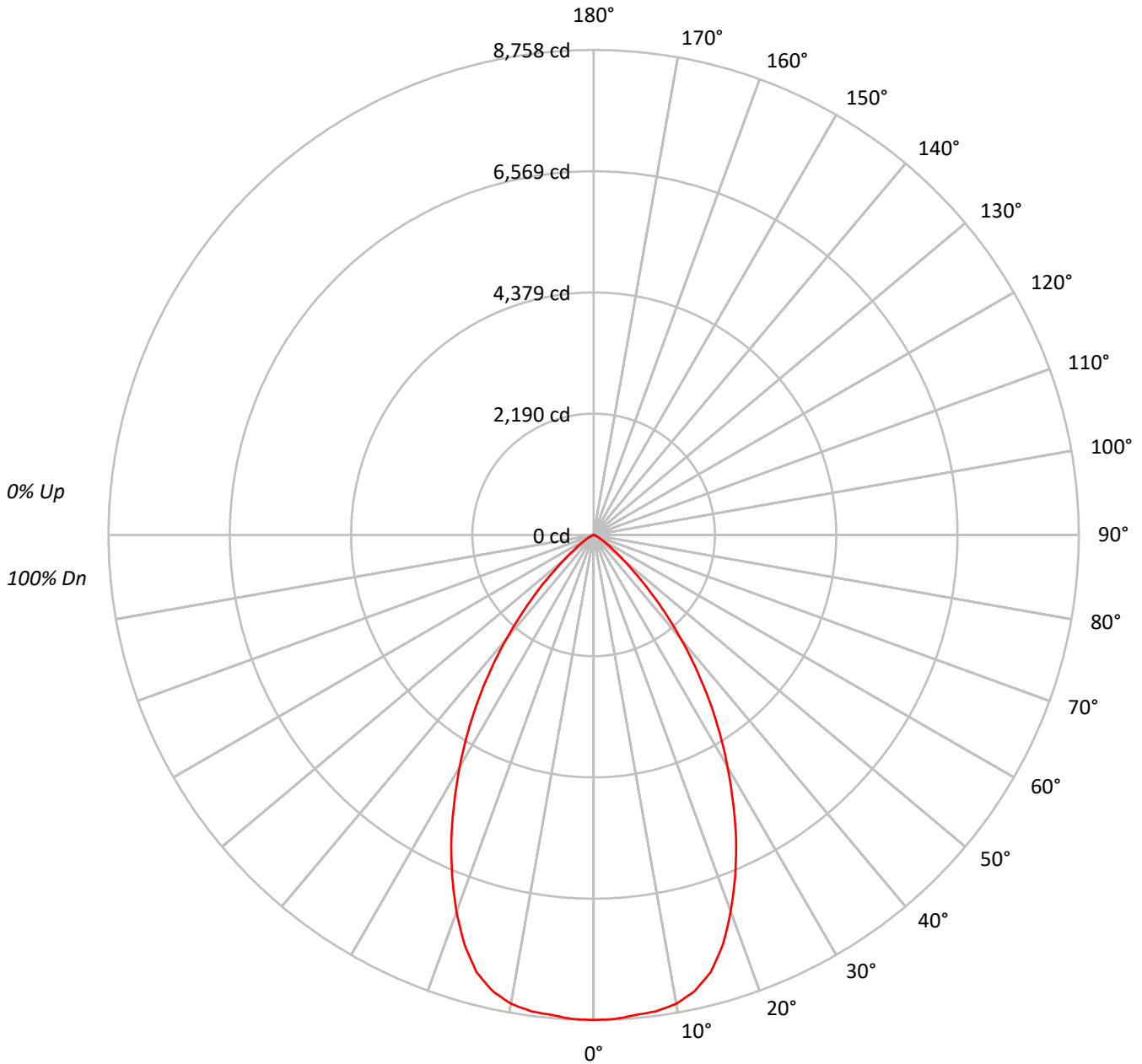
Lumens per Lamp: N/A
Luminaire Lumens: 9645.9 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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									
RC	80									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																			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	511513
5°	510225
10°	509784
15°	494071
20°	449789
25°	391966
30°	326007
35°	258313
40°	186432
45°	117781
50°	61394
55°	32635
60°	17136
65°	9425
70°	3962
75°	4355
80°	3027
85°	2613

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 117781 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.2	8.6
10°-20°	2268.1	23.5
20°-30°	2772.3	28.7
30°-40°	2249.4	23.3
40°-50°	1120.9	11.6
50°-60°	312.6	3.2
60°-70°	71.0	0.7
70°-80°	18.5	0.2
80°-90°	4.7	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°	5868.6	60.8
0°-40°	8118.1	84.2
0°-60°	9551.6	99.0
0°-90°	9645.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9645.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8758	
5°	8703	828
15°	8171	2268
25°	6082	2772
35°	3623	2249
45°	1426	1121
55°	320	313
65°	68	71
75°	19	19
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8758.2
2.5°	8751.8
5°	8702.9
7.5°	8674.5
10°	8596.0
12.5°	8436.4
15°	8171.3
17.5°	7756.9
20°	7236.9
22.5°	6675.8
25°	6082.5
27.5°	5448.0
30°	4834.1
32.5°	4227.9
35°	3623.0
37.5°	3019.4
40°	2445.3
42.5°	1907.4
45°	1426.0
47.5°	993.6
50°	675.7
52.5°	465.9
55°	320.5
57.5°	216.2
60°	146.7
62.5°	101.7
65°	68.2
67.5°	34.7
70°	23.2
72.5°	21.9
75°	19.3
77.5°	12.9
80°	9.0
82.5°	6.4
85°	3.9
87.5°	2.6
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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