

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: P773302

Luminaire Tested: LD6D85BD010-EU6DR7070959050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR7070959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11064.9 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

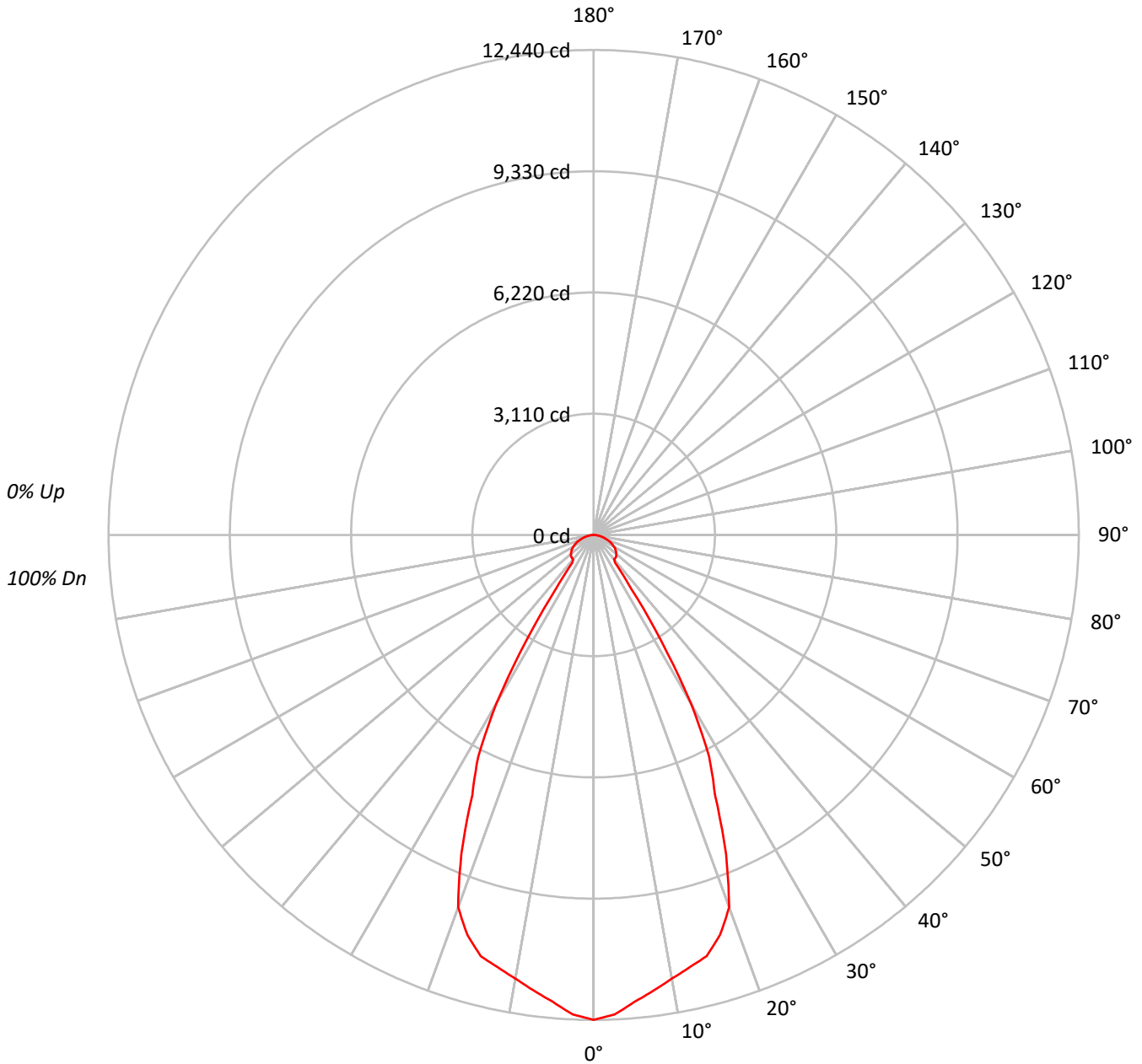
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1359215
5°	1318824
10°	1282062
15°	1265237
20°	1181472
25°	887581
30°	627449
35°	222256
40°	116871
45°	124480
50°	128895
55°	131324
60°	132140
65°	129344
70°	122065
75°	113094
80°	100359
85°	81486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 132179 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1134.2	10.3
10°-20°	3111.0	28.1
20°-30°	3426.3	31.0
30°-40°	1309.1	11.8
40°-50°	618.1	5.6
50°-60°	614.5	5.6
60°-70°	492.0	4.4
70°-80°	282.8	2.6
80°-90°	76.9	0.7
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°	7671.4	69.3
0°-40°	8980.5	81.2
0°-60°	10213.2	92.3
0°-90°	11064.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11064.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12440	
5°	12024	###
15°	11185	3111
25°	7362	3426
35°	1666	1309
45°	806	618
55°	689	615
65°	500	492
75°	268	283
85°	65	77
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12440.1
2.5°	12310.1
5°	12024.5
7.5°	11786.2
10°	11555.7
12.5°	11360.7
15°	11185.4
17.5°	10762.0
20°	10161.2
22.5°	8865.2
25°	7362.4
27.5°	6409.1
30°	4973.3
32.5°	3212.4
35°	1666.3
37.5°	900.1
40°	819.4
42.5°	813.5
45°	805.6
47.5°	787.8
50°	758.3
52.5°	724.8
55°	689.4
57.5°	650.0
60°	604.7
62.5°	553.5
65°	500.3
67.5°	441.2
70°	382.1
72.5°	323.0
75°	267.9
77.5°	210.7
80°	159.5
82.5°	112.3
85°	65.0
87.5°	25.6
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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