

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: P773236

Luminaire Tested: LD6D85BD010-EU6DR7070959024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773236
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-EU6DR7070959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5178.2 lumens
Efficiency: N/A
Efficacy: 59.0 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

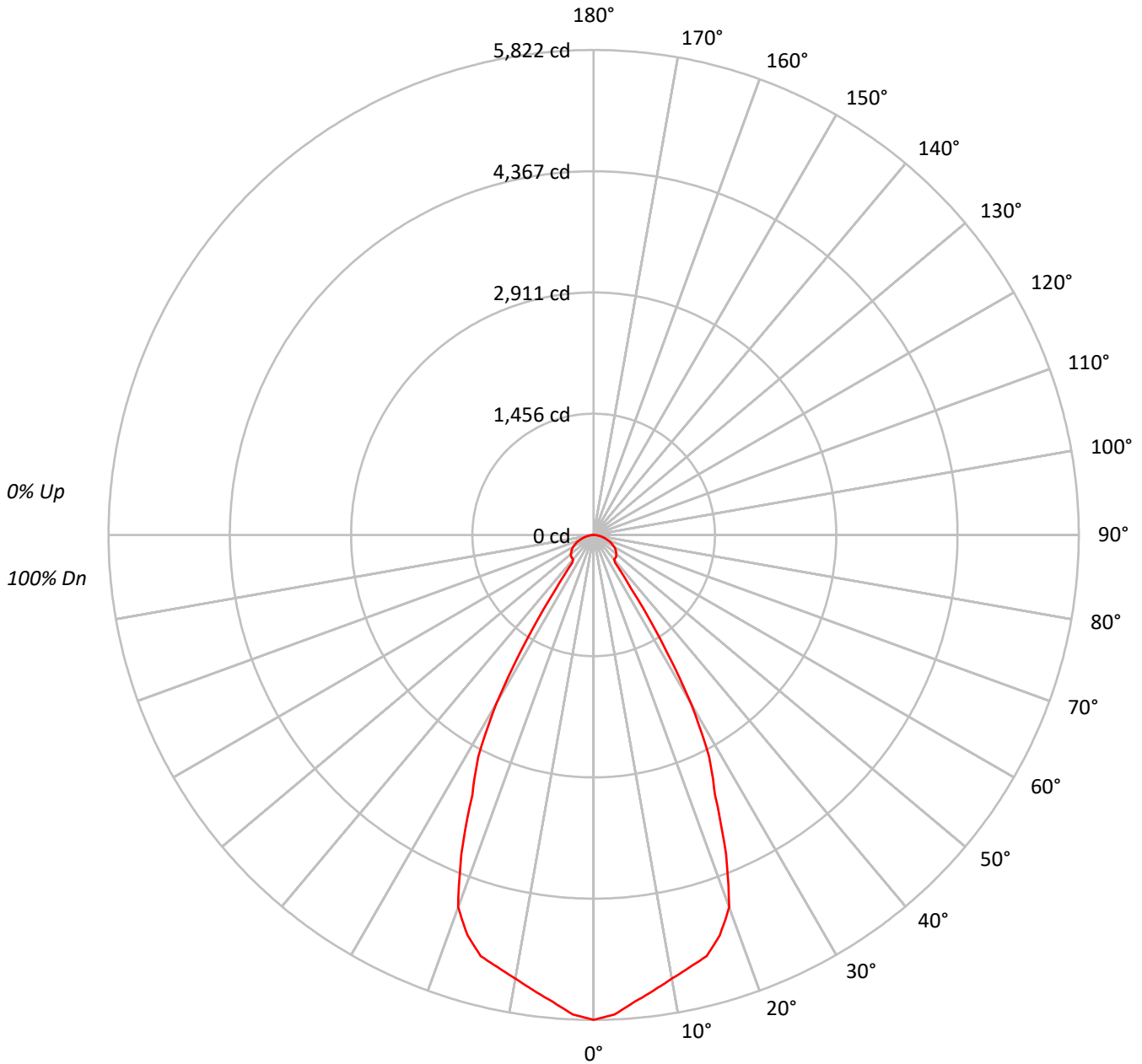
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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°	636083
5°	617181
10°	599986
15°	592112
20°	552912
25°	415375
30°	293633
35°	104012
40°	54684
45°	58253
50°	60326
55°	61452
60°	61842
65°	60523
70°	57119
75°	52938
80°	47002
85°	38110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 61860 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.8	10.3
10°-20°	1455.9	28.1
20°-30°	1603.5	31.0
30°-40°	612.6	11.8
40°-50°	289.3	5.6
50°-60°	287.6	5.6
60°-70°	230.2	4.4
70°-80°	132.4	2.6
80°-90°	36.0	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°	3590.1	69.3
0°-40°	4202.7	81.2
0°-60°	4779.6	92.3
0°-90°	5178.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5178.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5822	
5°	5627	531
15°	5235	1456
25°	3446	1603
35°	780	613
45°	377	289
55°	323	288
65°	234	230
75°	125	132
85°	30	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5821.7
2.5°	5760.9
5°	5627.2
7.5°	5515.7
10°	5407.9
12.5°	5316.6
15°	5234.6
17.5°	5036.4
20°	4755.3
22.5°	4148.8
25°	3445.5
27.5°	2999.4
30°	2327.4
32.5°	1503.4
35°	779.8
37.5°	421.2
40°	383.4
42.5°	380.7
45°	377.0
47.5°	368.7
50°	354.9
52.5°	339.2
55°	322.6
57.5°	304.2
60°	283.0
62.5°	259.0
65°	234.1
67.5°	206.5
70°	178.8
72.5°	151.2
75°	125.4
77.5°	98.6
80°	74.7
82.5°	52.5
85°	30.4
87.5°	12.0
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

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— 0°-180°

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(END OF REPORT)