

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: P773238

Luminaire Tested: LD6D85BD010-EU6DR7070959024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773238
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-EU6DR7070959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9344.8 lumens
Efficiency: N/A
Efficacy: 106.6 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

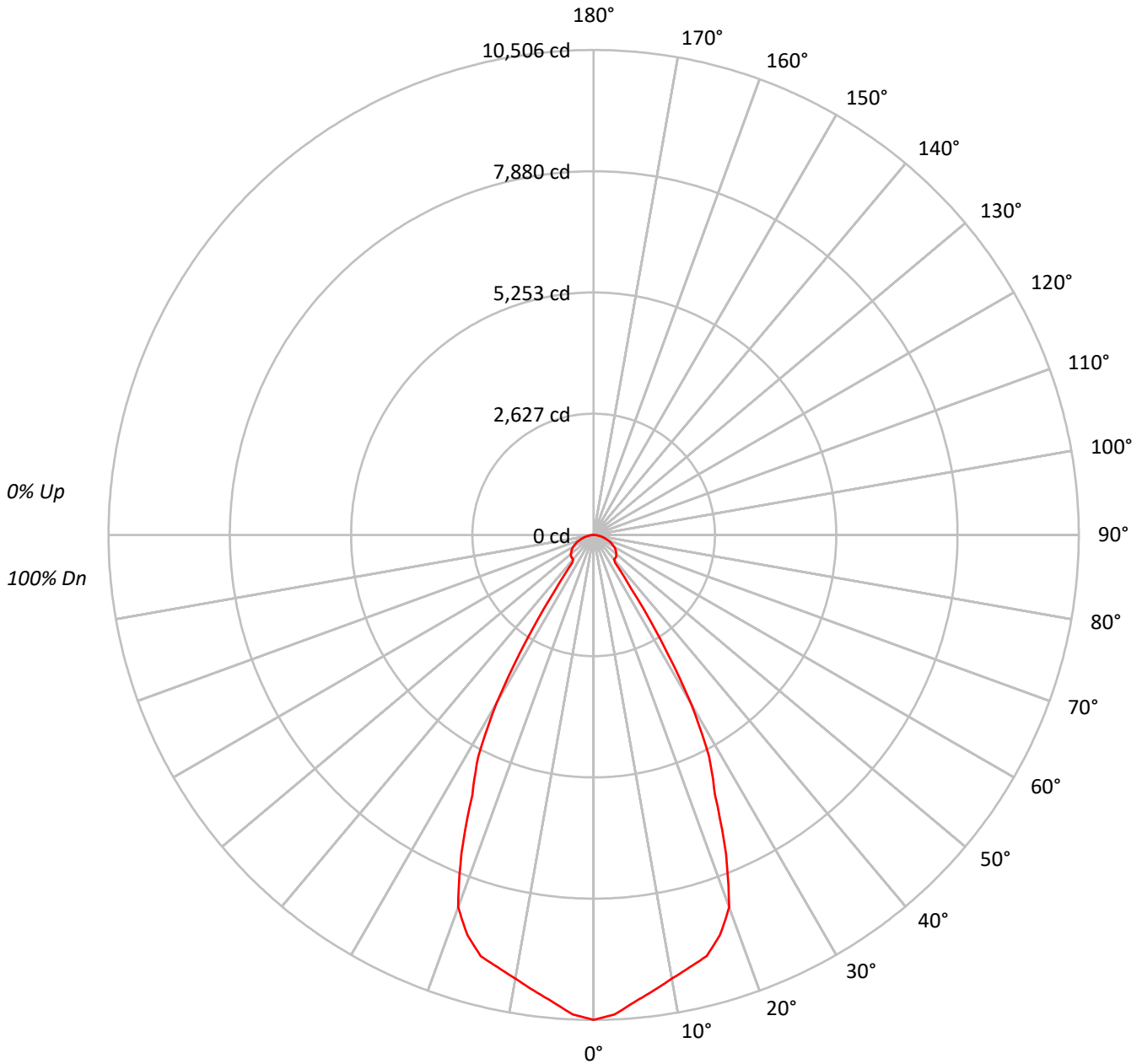
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1147926
5°	1113825
10°	1082780
15°	1068564
20°	997819
25°	749617
30°	529912
35°	187710
40°	98700
45°	105134
50°	108855
55°	110903
60°	111599
65°	109230
70°	103089
75°	95491
80°	84754
85°	68824

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 111620 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.9	10.3
10°-20°	2627.4	28.1
20°-30°	2893.7	31.0
30°-40°	1105.6	11.8
40°-50°	522.1	5.6
50°-60°	519.0	5.6
60°-70°	415.5	4.4
70°-80°	238.8	2.6
80°-90°	64.9	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°	6479.0	69.3
0°-40°	7584.6	81.2
0°-60°	8625.6	92.3
0°-90°	9344.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9344.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10506	
5°	10155	958
15°	9447	2627
25°	6218	2894
35°	1407	1106
45°	680	522
55°	582	519
65°	422	416
75°	226	239
85°	55	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10506.3
2.5°	10396.6
5°	10155.4
7.5°	9954.1
10°	9759.5
12.5°	9594.8
15°	9446.7
17.5°	9089.1
20°	8581.7
22.5°	7487.2
25°	6218.0
27.5°	5412.9
30°	4200.2
32.5°	2713.1
35°	1407.3
37.5°	760.2
40°	692.0
42.5°	687.0
45°	680.4
47.5°	665.4
50°	640.4
52.5°	612.1
55°	582.2
57.5°	548.9
60°	510.7
62.5°	467.4
65°	422.5
67.5°	372.6
70°	322.7
72.5°	272.8
75°	226.2
77.5°	178.0
80°	134.7
82.5°	94.8
85°	54.9
87.5°	21.6
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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(END OF REPORT)