

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: P773212

Luminaire Tested: LD6D85BD010-EU6DR6570959040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10013.9 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

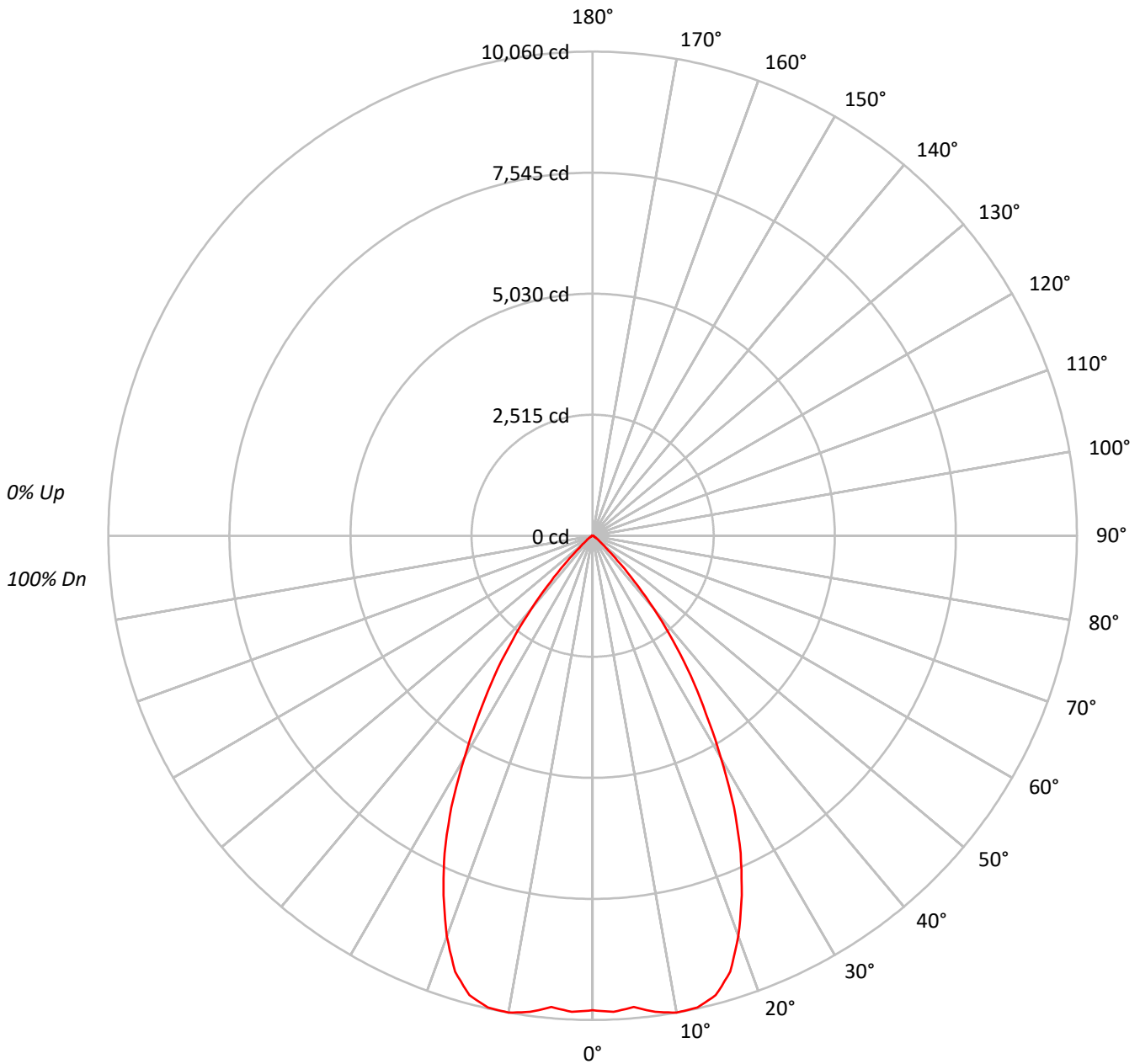
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1077245
5°	1078125
10°	1116086
15°	1117939
20°	1029247
25°	876972
30°	671354
35°	474296
40°	279968
45°	113663
50°	41203
55°	22954
60°	13155
65°	7239
70°	7603
75°	5910
80°	6166
85°	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 113663 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	949.4	9.5
10°-20°	2738.5	27.3
20°-30°	3285.7	32.8
30°-40°	2208.1	22.1
40°-50°	661.0	6.6
50°-60°	116.7	1.2
60°-70°	33.1	0.3
70°-80°	16.2	0.2
80°-90°	5.1	0.1
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°	6973.6	69.6
0°-40°	9181.7	91.7
0°-60°	9959.3	99.5
0°-90°	10013.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10013.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9859	
5°	9830	949
15°	9883	2739
25°	7274	3286
35°	3556	2208
45°	736	661
55°	120	117
65°	28	33
75°	14	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9859.4
2.5°	9901.4
5°	9829.9
7.5°	9978.5
10°	10059.7
12.5°	10040.1
15°	9883.2
17.5°	9499.3
20°	8852.0
22.5°	8089.8
25°	7274.4
27.5°	6353.9
30°	5321.3
32.5°	4385.4
35°	3555.9
37.5°	2736.3
40°	1962.9
42.5°	1282.0
45°	735.6
47.5°	389.5
50°	242.4
52.5°	168.1
55°	120.5
57.5°	86.9
60°	60.2
62.5°	39.2
65°	28.0
67.5°	25.2
70°	23.8
72.5°	18.2
75°	14.0
77.5°	12.6
80°	9.8
82.5°	7.0
85°	4.2
87.5°	2.8
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)