

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: P773120

Luminaire Tested: LD6D85BD010-EU6DR6070959035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6070959035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10427.3 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

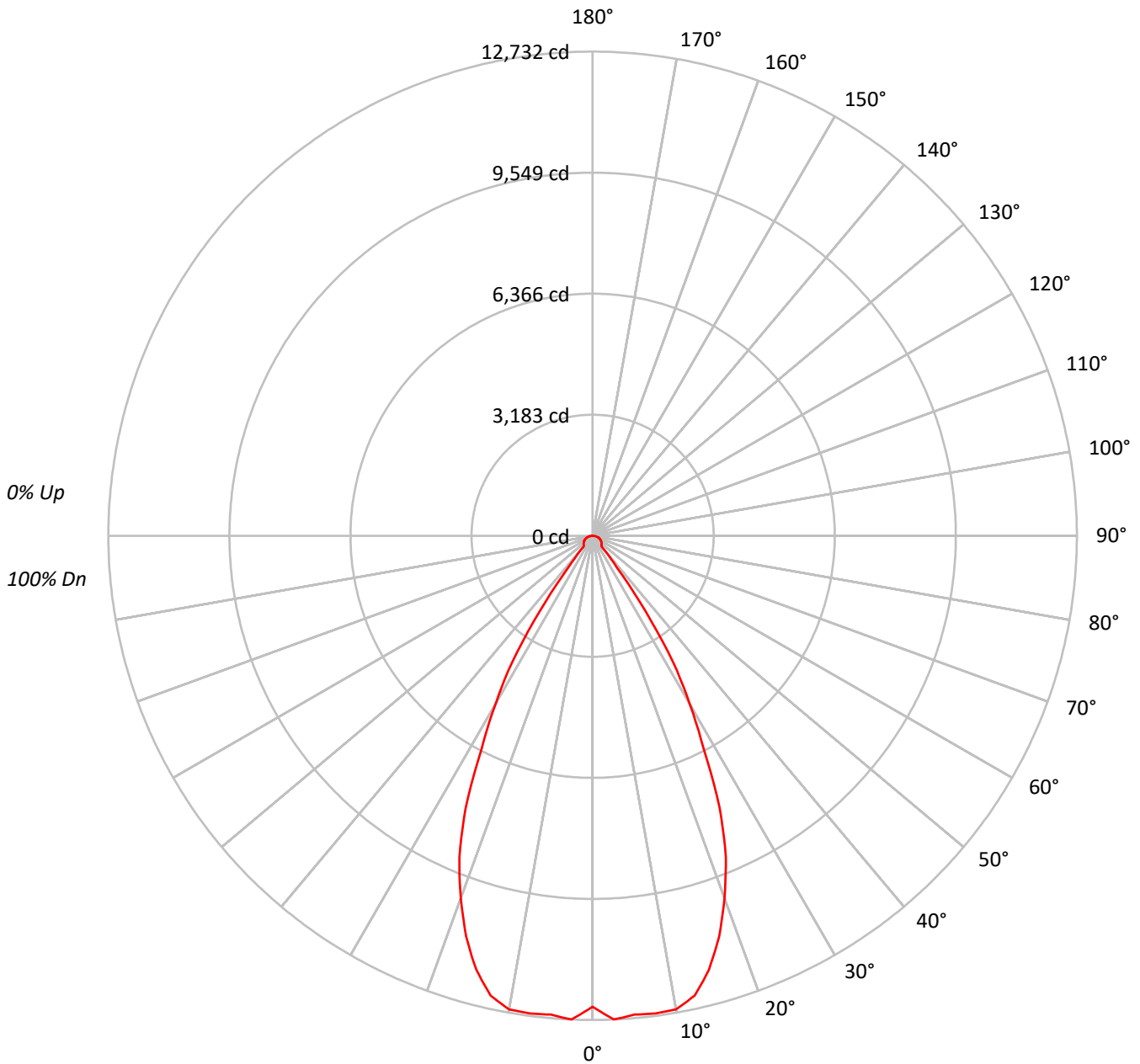
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1353052
5°	1386331
10°	1403071
15°	1336624
20°	1178484
25°	953187
30°	644758
35°	323093
40°	52416
45°	51300
50°	52320
55°	53109
60°	54587
65°	55843
70°	57151
75°	57835
80°	55748
85°	46510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 57835 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1208.1	11.6
10°-20°	3268.5	31.3
20°-30°	3516.6	33.7
30°-40°	1528.6	14.7
40°-50°	256.7	2.5
50°-60°	249.6	2.4
60°-70°	213.5	2.0
70°-80°	142.9	1.4
80°-90°	42.8	0.4
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°	7993.2	76.7
0°-40°	9521.8	91.3
0°-60°	10028.2	96.2
0°-90°	10427.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10427.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12384	
5°	12640	###
15°	11816	3268
25°	7907	3517
35°	2422	1529
45°	332	257
55°	279	250
65°	216	214
75°	137	143
85°	37	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12383.7
2.5°	12731.9
5°	12640.0
7.5°	12669.0
10°	12646.4
12.5°	12385.4
15°	11816.5
17.5°	11052.5
20°	10135.5
22.5°	9154.0
25°	7906.6
27.5°	6324.0
30°	5110.5
32.5°	3938.8
35°	2422.3
37.5°	1036.3
40°	367.5
42.5°	338.4
45°	332.0
47.5°	320.7
50°	307.8
52.5°	293.3
55°	278.8
57.5°	264.3
60°	249.8
62.5°	233.7
65°	216.0
67.5°	198.2
70°	178.9
72.5°	157.9
75°	137.0
77.5°	112.8
80°	88.6
82.5°	62.9
85°	37.1
87.5°	12.9
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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