

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: P773172

Luminaire Tested: LD6D85BD010-EU6DR6570959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773172
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-EU6DR6570959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8751.6 lumens
Efficiency: N/A
Efficacy: 99.8 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

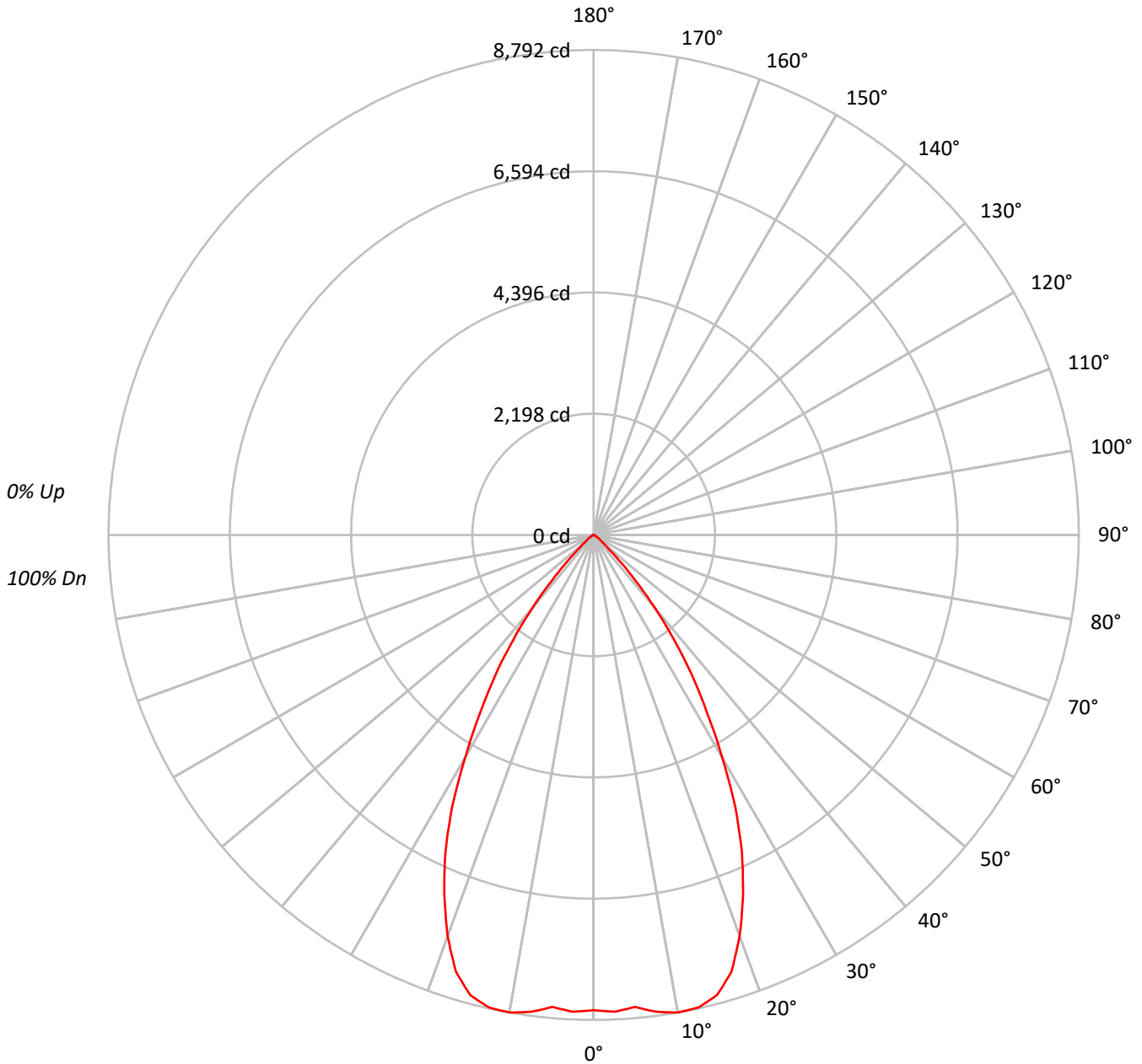
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
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°	941456
5°	942234
10°	975406
15°	977020
20°	899510
25°	766422
30°	586723
35°	414514
40°	244681
45°	99324
50°	36002
55°	20059
60°	11516
65°	6334
70°	6645
75°	5150
80°	5411
85°	4638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 99324 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	829.7	9.5
10°-20°	2393.3	27.3
20°-30°	2871.5	32.8
30°-40°	1929.8	22.1
40°-50°	577.7	6.6
50°-60°	101.9	1.2
60°-70°	29.0	0.3
70°-80°	14.2	0.2
80°-90°	4.5	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°	6094.6	69.6
0°-40°	8024.3	91.7
0°-60°	8703.9	99.5
0°-90°	8751.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8751.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8617	
5°	8591	830
15°	8637	2393
25°	6357	2872
35°	3108	1930
45°	643	578
55°	105	102
65°	24	29
75°	12	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8616.6
2.5°	8653.3
5°	8590.9
7.5°	8720.7
10°	8791.7
12.5°	8774.5
15°	8637.4
17.5°	8301.9
20°	7736.2
22.5°	7070.1
25°	6357.4
27.5°	5553.0
30°	4650.5
32.5°	3832.6
35°	3107.7
37.5°	2391.4
40°	1715.5
42.5°	1120.4
45°	642.8
47.5°	340.4
50°	211.8
52.5°	146.9
55°	105.3
57.5°	75.9
60°	52.7
62.5°	34.3
65°	24.5
67.5°	22.0
70°	20.8
72.5°	15.9
75°	12.2
77.5°	11.0
80°	8.6
82.5°	6.1
85°	3.7
87.5°	2.4
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)