

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: P773249

Luminaire Tested: LD6D85BD010-EU6DR7070959027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773249
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-EU6DR7070959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5865.7 lumens
Efficiency: N/A
Efficacy: 66.9 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

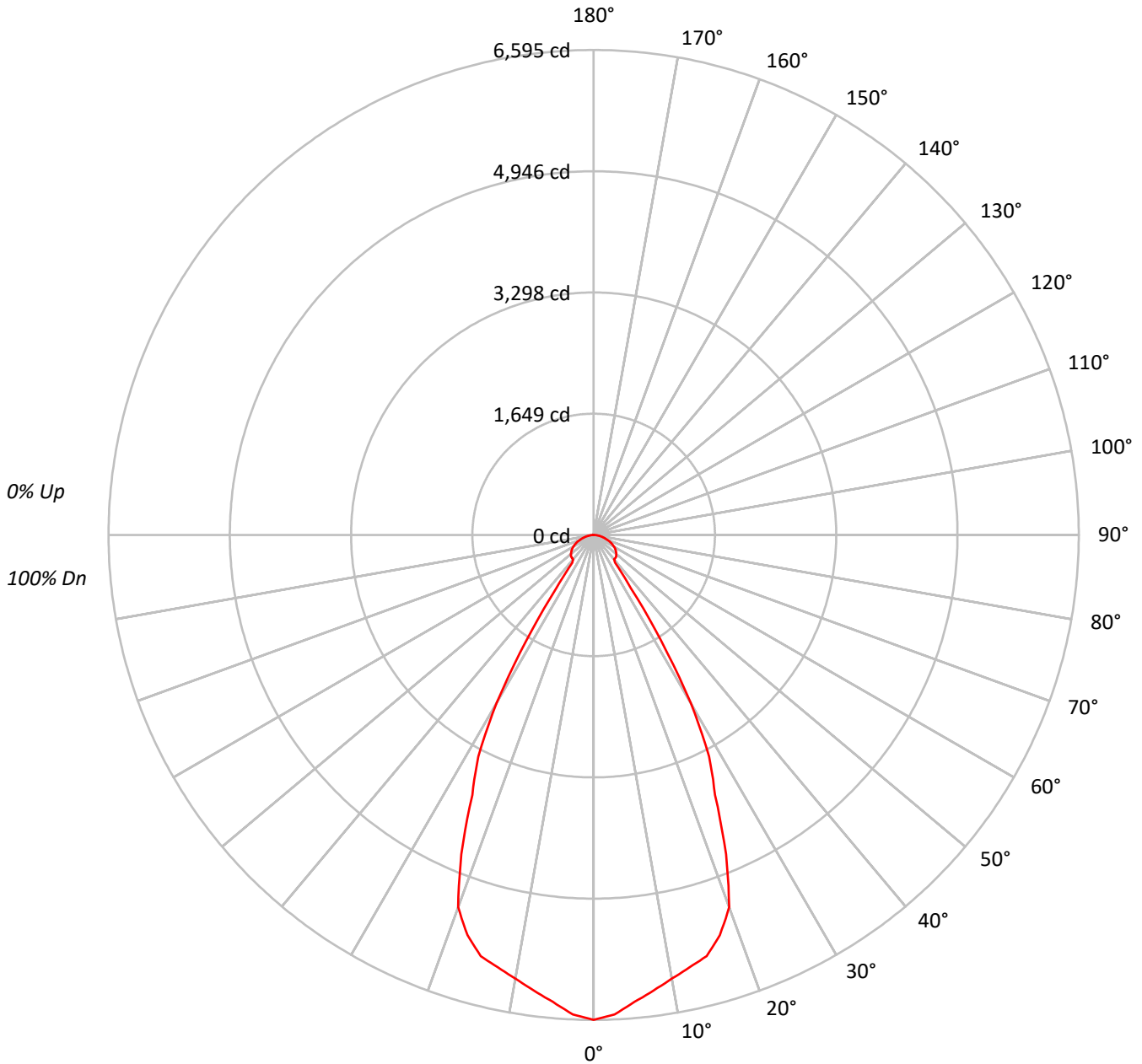
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	720542
5°	699132
10°	679646
15°	670727
20°	626327
25°	470530
30°	332617
35°	117817
40°	61958
45°	65995
50°	68332
55°	69605
60°	70036
65°	68563
70°	64722
75°	59945
80°	53231
85°	43250

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 70075 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.2	10.3
10°-20°	1649.2	28.1
20°-30°	1816.4	31.0
30°-40°	694.0	11.8
40°-50°	327.7	5.6
50°-60°	325.8	5.6
60°-70°	260.8	4.4
70°-80°	149.9	2.6
80°-90°	40.8	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°	4066.8	69.3
0°-40°	4760.8	81.2
0°-60°	5414.2	92.3
0°-90°	5865.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5865.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6595	
5°	6374	601
15°	5930	1649
25°	3903	1816
35°	883	694
45°	427	328
55°	365	326
65°	265	261
75°	142	150
85°	34	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6594.7
2.5°	6525.8
5°	6374.4
7.5°	6248.1
10°	6125.9
12.5°	6022.6
15°	5929.6
17.5°	5705.1
20°	5386.7
22.5°	4699.6
25°	3903.0
27.5°	3397.6
30°	2636.4
32.5°	1703.0
35°	883.3
37.5°	477.2
40°	434.4
42.5°	431.2
45°	427.1
47.5°	417.7
50°	402.0
52.5°	384.2
55°	365.4
57.5°	344.6
60°	320.5
62.5°	293.4
65°	265.2
67.5°	233.9
70°	202.6
72.5°	171.2
75°	142.0
77.5°	111.7
80°	84.6
82.5°	59.5
85°	34.5
87.5°	13.6
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)