

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: P770859

Luminaire Tested: LD6D70BD010-EU6DR6570959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770859
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: LD6D70BD010-EU6DR6570959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7504.8 lumens
Efficiency: N/A
Efficacy: 112.7 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

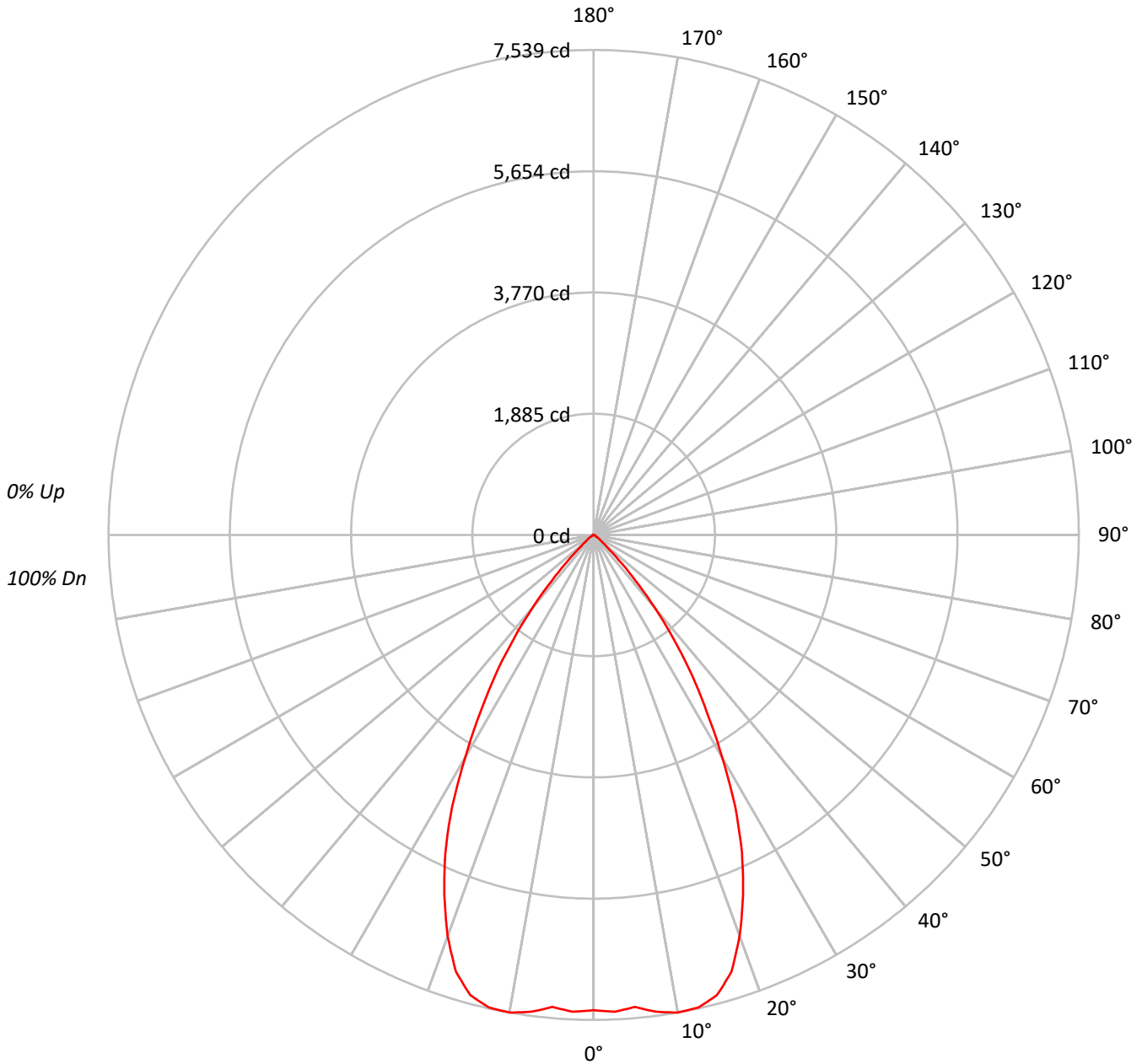
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	807317
5°	807977
10°	836424
15°	837809
20°	771343
25°	657223
30°	503127
35°	355452
40°	209823
45°	85186
50°	30885
55°	17201
60°	9877
65°	5429
70°	5718
75°	4433
80°	4656
85°	4012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 85186 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.5	9.5
10°-20°	2052.3	27.3
20°-30°	2462.4	32.8
30°-40°	1654.8	22.0
40°-50°	495.4	6.6
50°-60°	87.4	1.2
60°-70°	24.9	0.3
70°-80°	12.2	0.2
80°-90°	3.9	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°	5226.2	69.6
0°-40°	6881.0	91.7
0°-60°	7463.8	99.5
0°-90°	7504.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7504.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7389	
5°	7367	711
15°	7407	2052
25°	5452	2462
35°	2665	1655
45°	551	495
55°	90	87
65°	21	25
75°	10	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7388.9
2.5°	7420.4
5°	7366.8
7.5°	7478.1
10°	7539.0
12.5°	7524.3
15°	7406.7
17.5°	7119.0
20°	6633.9
22.5°	6062.7
25°	5451.6
27.5°	4761.8
30°	3987.9
32.5°	3286.5
35°	2664.9
37.5°	2050.7
40°	1471.1
42.5°	960.8
45°	551.3
47.5°	291.9
50°	181.7
52.5°	126.0
55°	90.3
57.5°	65.1
60°	45.2
62.5°	29.4
65°	21.0
67.5°	18.9
70°	17.9
72.5°	13.7
75°	10.5
77.5°	9.5
80°	7.4
82.5°	5.3
85°	3.2
87.5°	2.1
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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