

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P770875

Luminaire Tested: LD6D70BD010-EU6DR6570959040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR6570959040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 7875.3 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

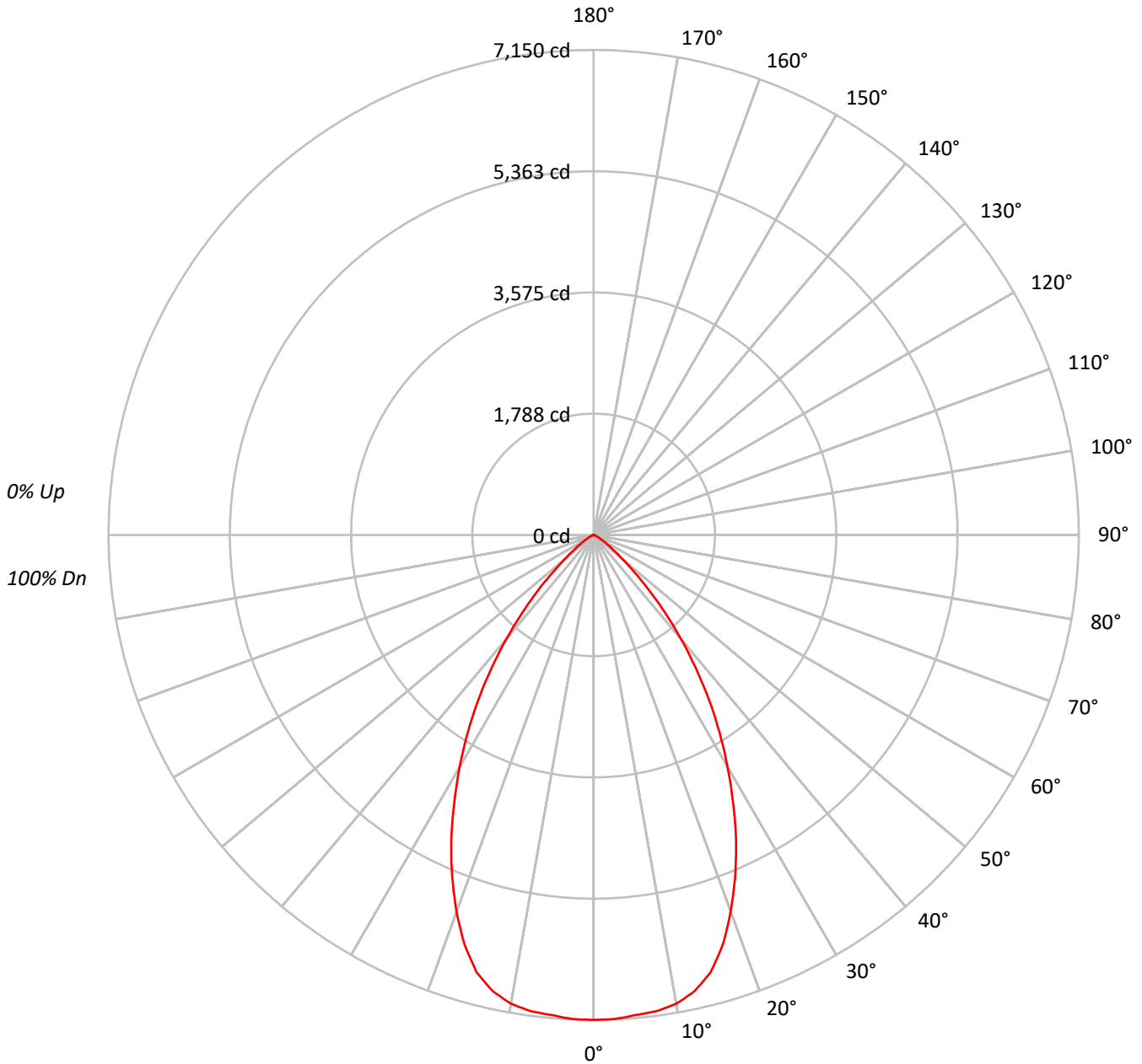


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	417617
5°	416562
10°	416207
15°	403374
20°	367226
25°	320010
30°	266161
35°	210892
40°	152215
45°	96166
50°	50128
55°	26637
60°	13994
65°	7697
70°	3227
75°	3565
80°	2489
85°	2144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 96166 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.2	8.6
10°-20°	1851.7	23.5
20°-30°	2263.4	28.7
30°-40°	1836.5	23.3
40°-50°	915.2	11.6
50°-60°	255.3	3.2
60°-70°	58.0	0.7
70°-80°	15.1	0.2
80°-90°	3.9	0.0
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°	4791.4	60.8
0°-40°	6627.8	84.2
0°-60°	7798.3	99.0
0°-90°	7875.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7875.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7150	
5°	7105	676
15°	6671	1852
25°	4966	2263
35°	2958	1836
45°	1164	915
55°	262	255
65°	56	58
75°	16	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7150.5
2.5°	7145.2
5°	7105.3
7.5°	7082.2
10°	7018.1
12.5°	6887.8
15°	6671.3
17.5°	6333.0
20°	5908.5
22.5°	5450.3
25°	4965.9
27.5°	4447.9
30°	3946.7
32.5°	3451.8
35°	2957.9
37.5°	2465.1
40°	1996.5
42.5°	1557.2
45°	1164.3
47.5°	811.2
50°	551.7
52.5°	380.4
55°	261.6
57.5°	176.5
60°	119.8
62.5°	83.0
65°	55.7
67.5°	28.4
70°	18.9
72.5°	17.9
75°	15.8
77.5°	10.5
80°	7.4
82.5°	5.3
85°	3.2
87.5°	2.1
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)