

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: P770949

Luminaire Tested: LD6D70BD010-EU6DR7070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770949
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: LD6D70BD010-EU6DR7070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8618.4 lumens
Efficiency: N/A
Efficacy: 129.4 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): 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

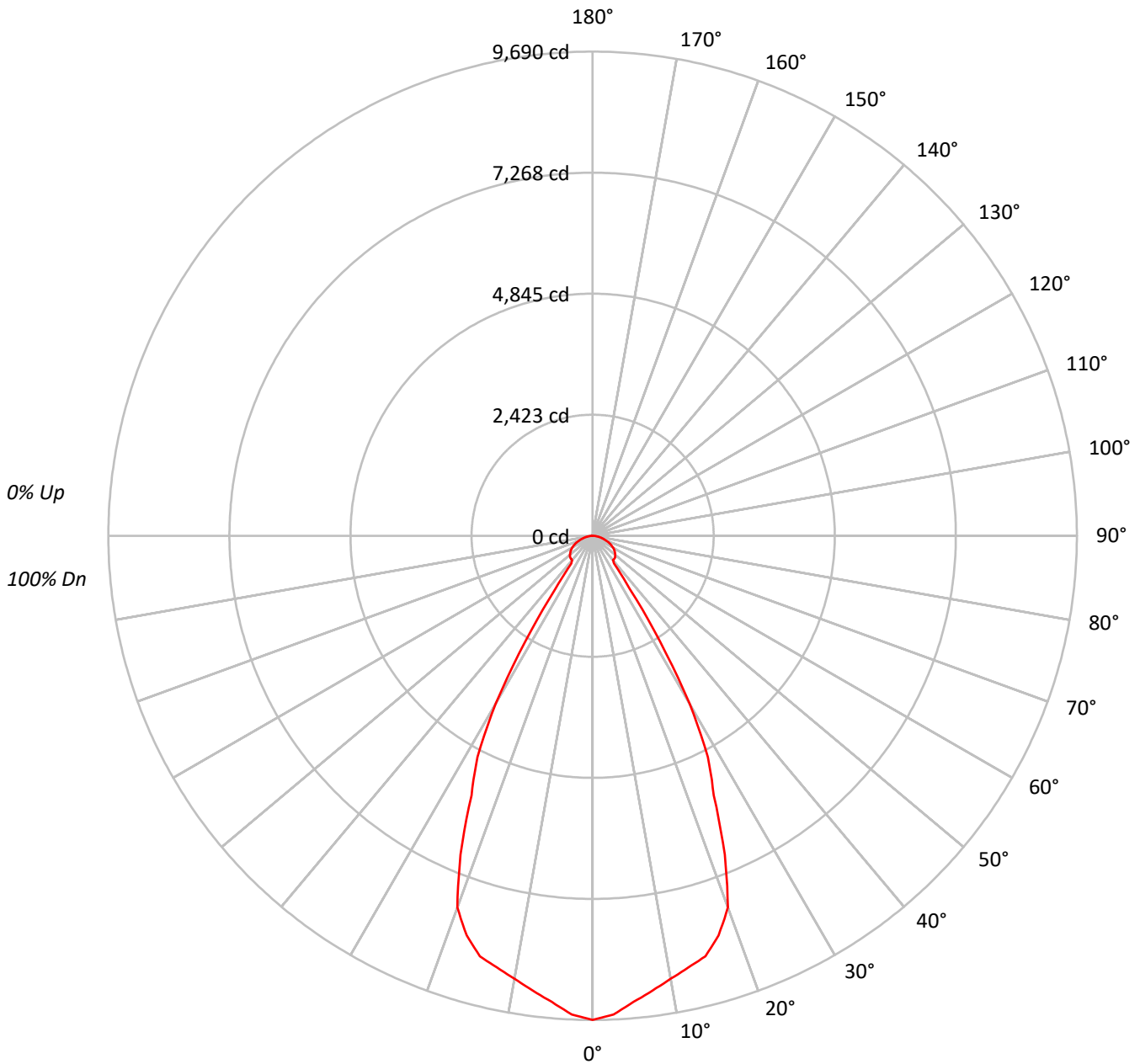


Downlight

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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1058693
5°	1027234
10°	998605
15°	985504
20°	920253
25°	691340
30°	488719
35°	173117
40°	91026
45°	96960
50°	100390
55°	102274
60°	102924
65°	100750
70°	95070
75°	88061
80°	78211
85°	63434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 102957 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	883.4	10.3
10°-20°	2423.1	28.1
20°-30°	2668.8	31.0
30°-40°	1019.7	11.8
40°-50°	481.5	5.6
50°-60°	478.7	5.6
60°-70°	383.2	4.4
70°-80°	220.3	2.6
80°-90°	59.9	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°	5975.3	69.3
0°-40°	6995.0	81.2
0°-60°	7955.1	92.3
0°-90°	8618.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8618.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9690	
5°	9366	883
15°	8712	2423
25°	5735	2669
35°	1298	1020
45°	628	481
55°	537	479
65°	390	383
75°	209	220
85°	51	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9689.6
2.5°	9588.3
5°	9365.9
7.5°	9180.3
10°	9000.8
12.5°	8848.9
15°	8712.4
17.5°	8382.5
20°	7914.6
22.5°	6905.1
25°	5734.6
27.5°	4992.1
30°	3873.7
32.5°	2502.2
35°	1297.9
37.5°	701.1
40°	638.2
42.5°	633.6
45°	627.5
47.5°	613.7
50°	590.6
52.5°	564.6
55°	536.9
57.5°	506.3
60°	471.0
62.5°	431.1
65°	389.7
67.5°	343.6
70°	297.6
72.5°	251.6
75°	208.6
77.5°	164.2
80°	124.3
82.5°	87.4
85°	50.6
87.5°	19.9
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)