

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: P774016

Luminaire Tested: LD6D90BD010-EU6DR7070959024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774016
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: LD6D90BD010-EU6DR7070959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5493.3 lumens
Efficiency: N/A
Efficacy: 55.5 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): 98.9
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

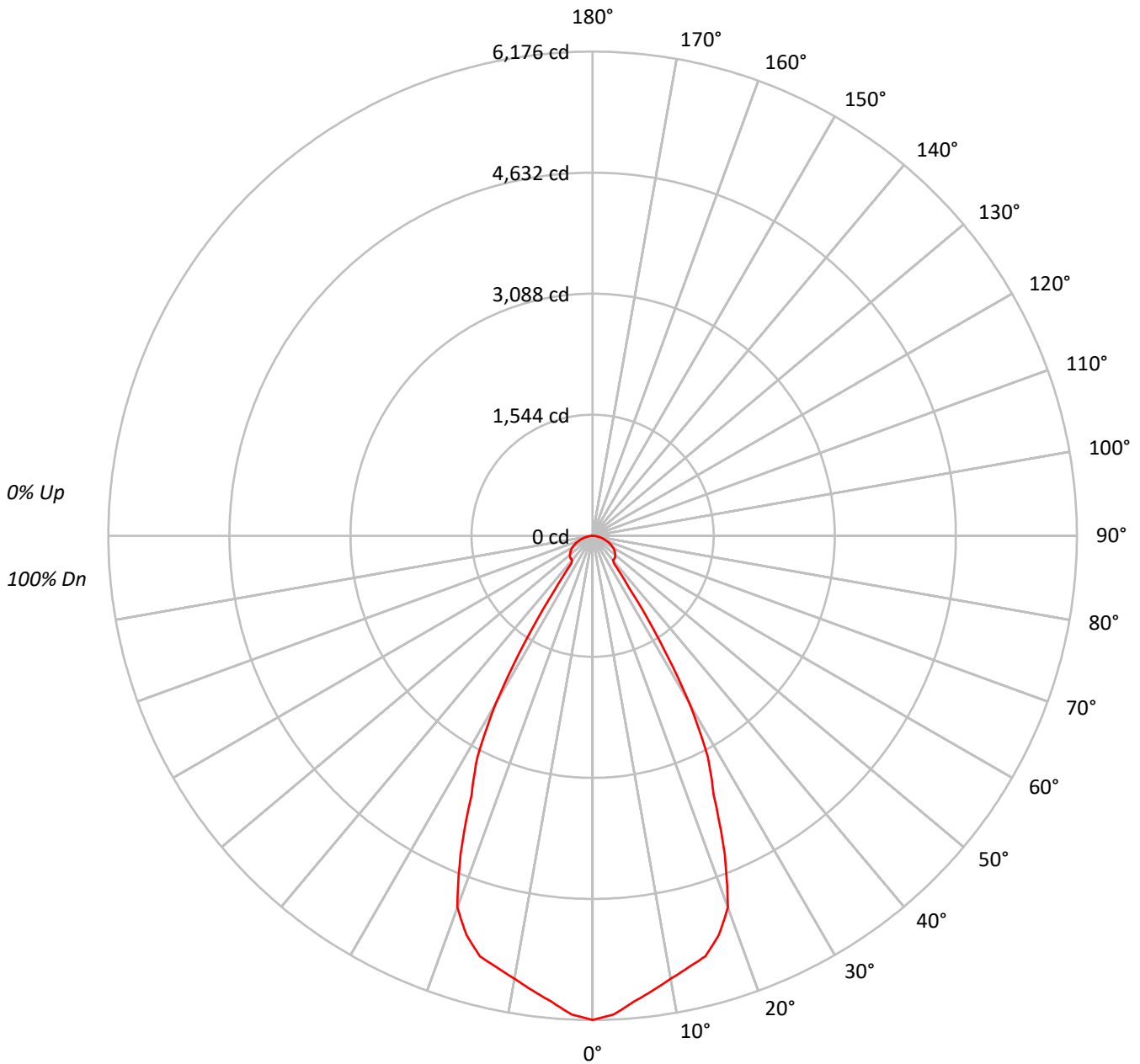


Downlight

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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	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°	674805
5°	654745
10°	636499
15°	628151
20°	586562
25°	440656
30°	311510
35°	110348
40°	58022
45°	61792
50°	63997
55°	65186
60°	65600
65°	64220
70°	60601
75°	56146
80°	49833
85°	40492

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 65622 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.1	10.3
10°-20°	1544.5	28.1
20°-30°	1701.1	31.0
30°-40°	649.9	11.8
40°-50°	306.9	5.6
50°-60°	305.1	5.6
60°-70°	244.3	4.4
70°-80°	140.4	2.6
80°-90°	38.2	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°	3808.6	69.3
0°-40°	4458.6	81.2
0°-60°	5070.5	92.3
0°-90°	5493.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5493.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6176	
5°	5970	563
15°	5553	1544
25°	3655	1701
35°	827	650
45°	400	307
55°	342	305
65°	248	244
75°	133	140
85°	32	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6176.1
2.5°	6111.5
5°	5969.7
7.5°	5851.4
10°	5737.0
12.5°	5640.2
15°	5553.2
17.5°	5342.9
20°	5044.7
22.5°	4401.3
25°	3655.2
27.5°	3181.9
30°	2469.1
32.5°	1594.9
35°	827.3
37.5°	446.9
40°	406.8
42.5°	403.8
45°	399.9
47.5°	391.1
50°	376.5
52.5°	359.8
55°	342.2
57.5°	322.7
60°	300.2
62.5°	274.8
65°	248.4
67.5°	219.0
70°	189.7
72.5°	160.4
75°	133.0
77.5°	104.6
80°	79.2
82.5°	55.7
85°	32.3
87.5°	12.7
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)