

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: P773983

Luminaire Tested: LD6D90BD010-EU6DR6570959035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773983
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: LD6D90BD010-EU6DR6570959035-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 10683.1 lumens
Efficiency: N/A
Efficacy: 108.0 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): 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

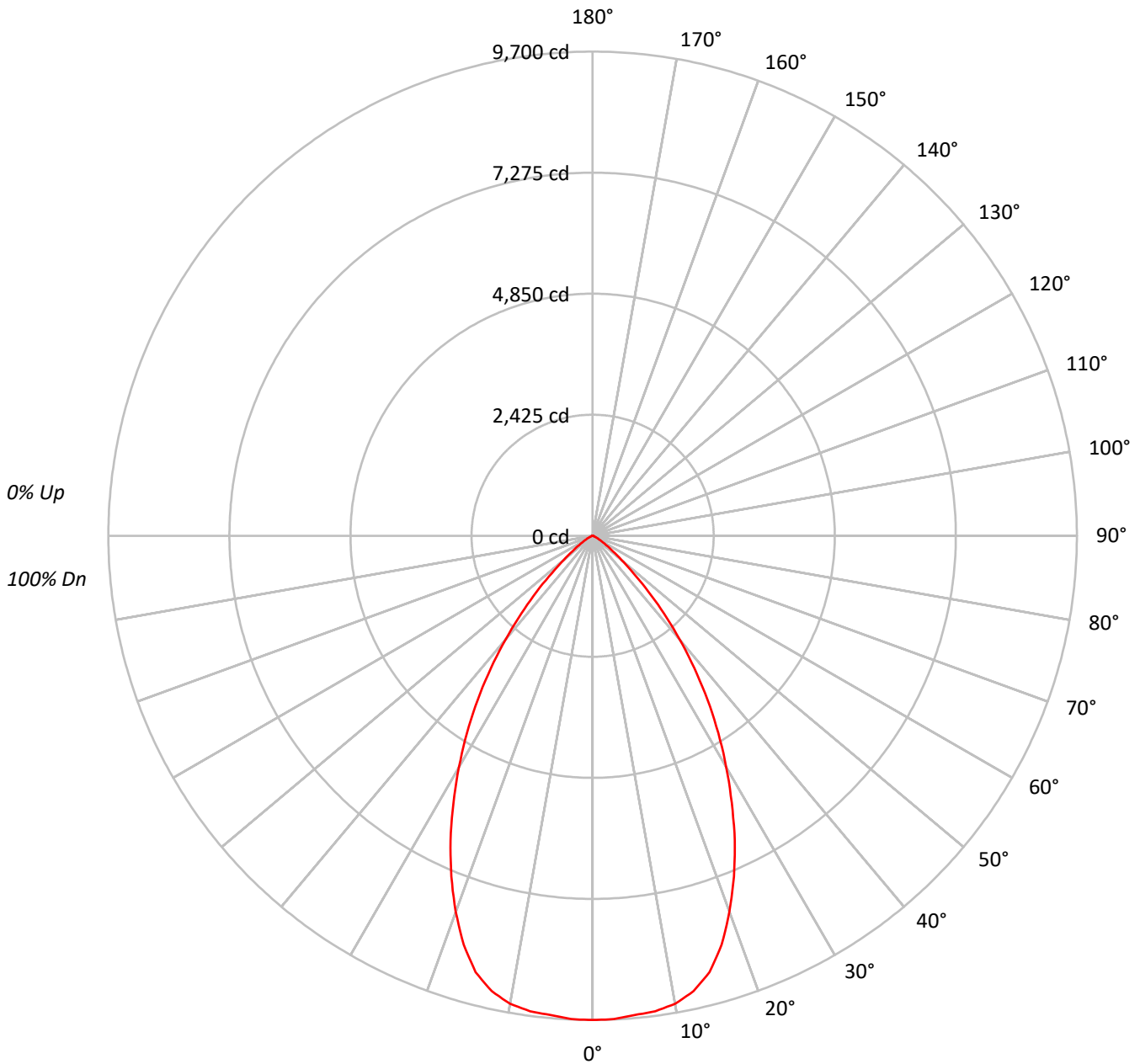


Downlight

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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	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°	566512
5°	565082
10°	564600
15°	547194
20°	498155
25°	434110
30°	361055
35°	286083
40°	206483
45°	130451
50°	67991
55°	36137
60°	18981
65°	10434
70°	4389
75°	4829
80°	3363
85°	2881

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 130451 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	917.3	8.6
10°-20°	2511.9	23.5
20°-30°	3070.4	28.7
30°-40°	2491.3	23.3
40°-50°	1241.5	11.6
50°-60°	346.3	3.2
60°-70°	78.7	0.7
70°-80°	20.5	0.2
80°-90°	5.3	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°	6499.6	60.8
0°-40°	8990.9	84.2
0°-60°	10578.6	99.0
0°-90°	10683.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10683.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9700	
5°	9639	917
15°	9050	2512
25°	6736	3070
35°	4012	2491
45°	1579	1241
55°	355	346
65°	76	79
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9699.9
2.5°	9692.8
5°	9638.6
7.5°	9607.2
10°	9520.3
12.5°	9343.5
15°	9049.9
17.5°	8590.9
20°	8015.1
22.5°	7393.6
25°	6736.5
27.5°	6033.7
30°	5353.8
32.5°	4682.5
35°	4012.5
37.5°	3344.0
40°	2708.3
42.5°	2112.5
45°	1579.4
47.5°	1100.4
50°	748.3
52.5°	516.0
55°	354.9
57.5°	239.5
60°	162.5
62.5°	112.6
65°	75.5
67.5°	38.5
70°	25.7
72.5°	24.2
75°	21.4
77.5°	14.3
80°	10.0
82.5°	7.1
85°	4.3
87.5°	2.9
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)