

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: P785502

Luminaire Tested: LERS6D02D010-EC6DR450210IC9024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D02D010-EC6DR450210IC9024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 624.7 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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

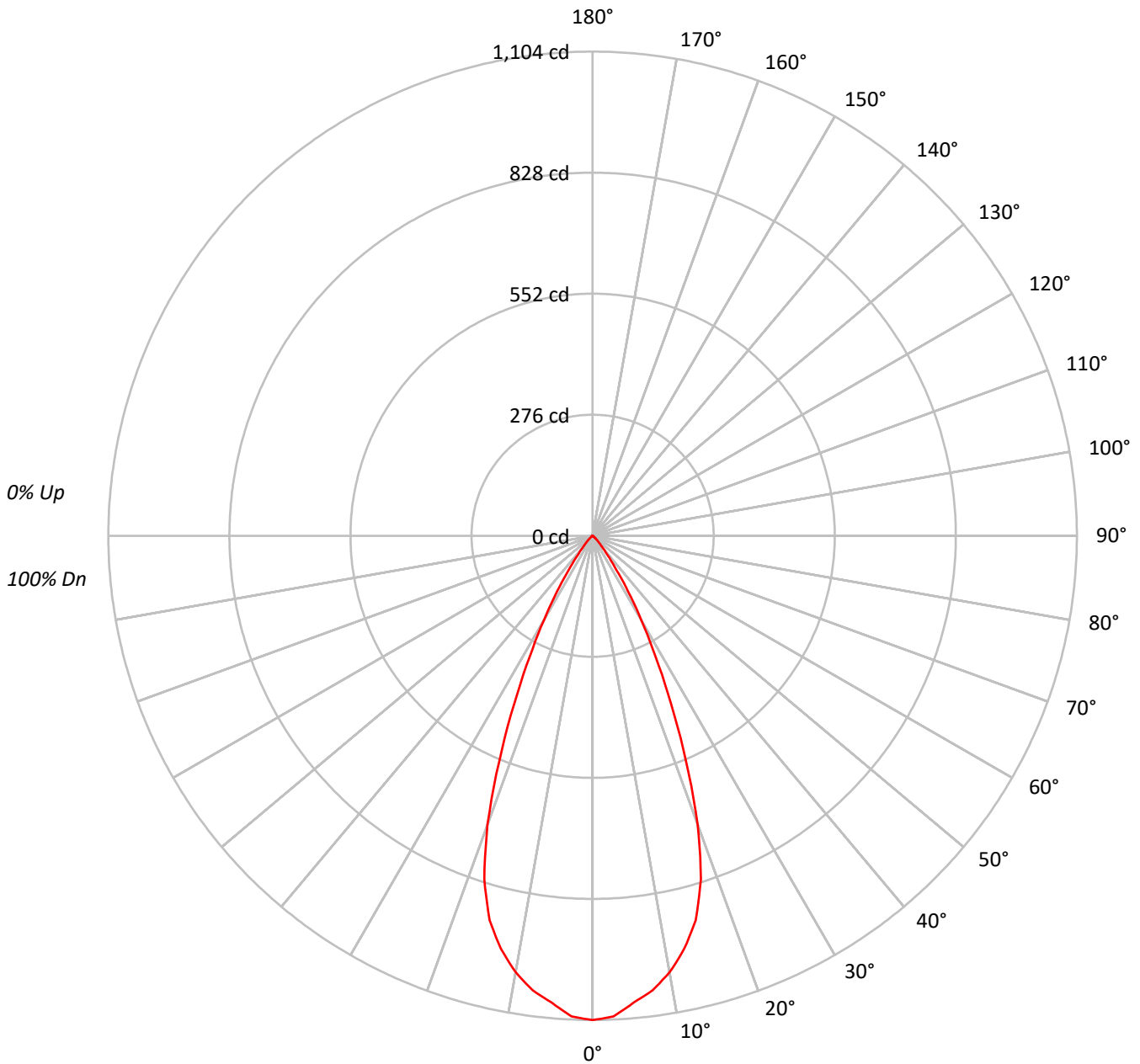


Downlight

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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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95					95			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90					90			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85					85			
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81					81			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77					77			
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73					73			
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69					69			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66					66			
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63					63			
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60					60			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120657
5°	117224
10°	112144
15°	102641
20°	81426
25°	50838
30°	28021
35°	12578
40°	4949
45°	2333
50°	1105
55°	571
60°	284
65°	78
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2333 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	16.1
10°-20°	247.2	39.6
20°-30°	195.7	31.3
30°-40°	65.2	10.4
40°-50°	12.9	2.1
50°-60°	2.9	0.5
60°-70°	0.4	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	543.3	87.0
0°-40°	608.4	97.4
0°-60°	624.3	99.9
0°-90°	624.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1104	
5°	1069	100
15°	907	247
25°	422	196
35°	94	65
45°	15	13
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1104.3
2.5°	1097.1
5°	1068.8
7.5°	1045.4
10°	1010.8
12.5°	964.8
15°	907.4
17.5°	821.1
20°	700.3
22.5°	556.5
25°	421.7
27.5°	308.8
30°	222.1
32.5°	151.0
35°	94.3
37.5°	55.9
40°	34.7
42.5°	22.8
45°	15.1
47.5°	9.7
50°	6.5
52.5°	4.3
55°	3.0
57.5°	2.0
60°	1.3
62.5°	0.7
65°	0.3
67.5°	0.1
70°	0.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)