

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: P785492

Luminaire Tested: LERS6D02D010-EC6DR400210IC9040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P785492
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D02D010-EC6DR400210IC9040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 708.3 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

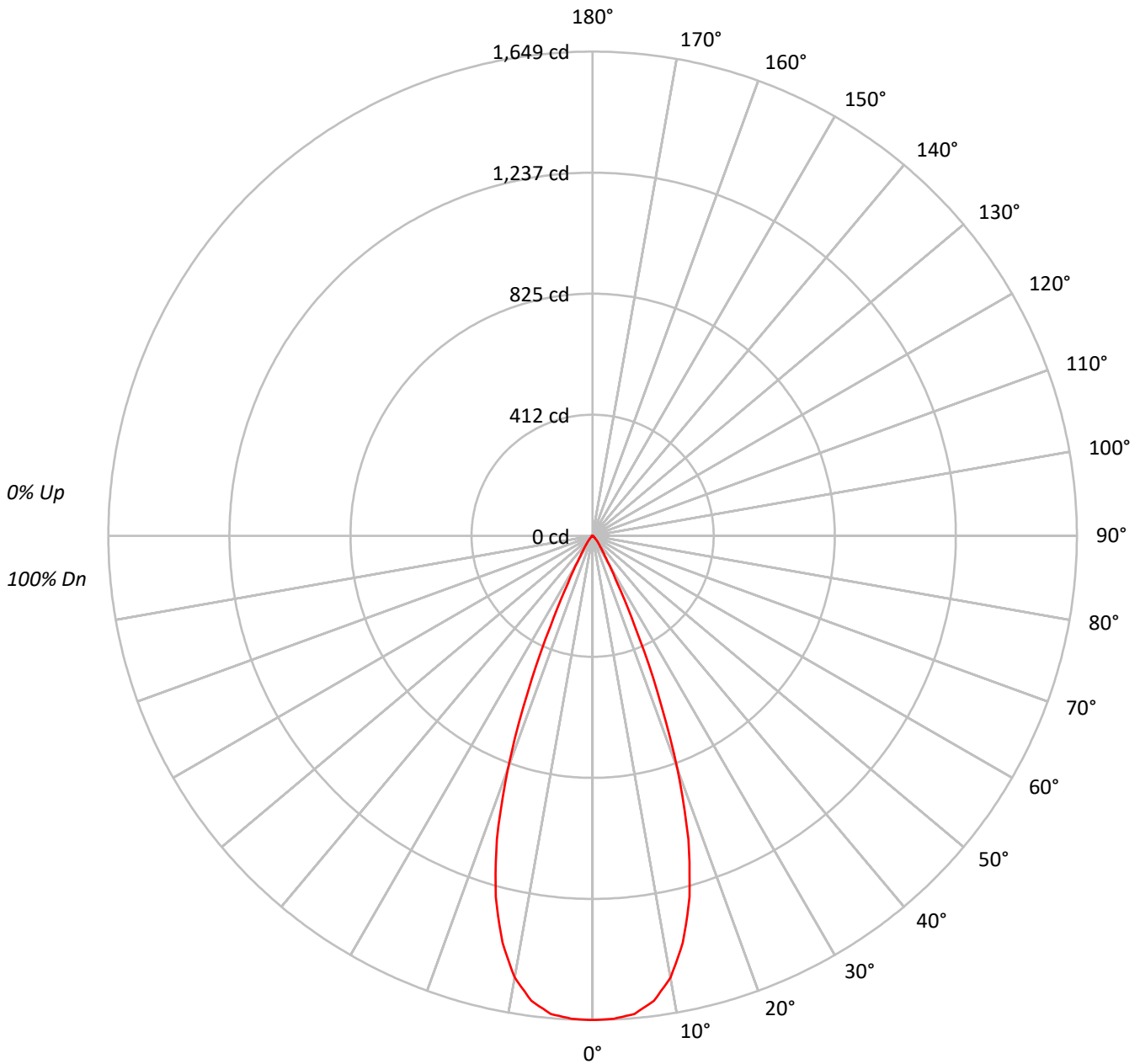


Downlight

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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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96					96			
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92					92			
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88					88			
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84					84			
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81					81			
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77					77			
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74					74			
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72					72			
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69					69			
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67					67			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	180171
5°	179291
10°	169470
15°	144075
20°	98192
25°	40977
30°	12881
35°	5989
40°	3309
45°	1514
50°	731
55°	400
60°	219
65°	78
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	21.6
10°-20°	342.0	48.3
20°-30°	171.2	24.2
30°-40°	31.4	4.4
40°-50°	8.7	1.2
50°-60°	2.0	0.3
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°	665.8	94.0
0°-40°	697.2	98.4
0°-60°	707.8	99.9
0°-90°	708.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1649	
5°	1635	153
15°	1274	342
25°	340	171
35°	45	31
45°	10	9
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1649.0
2.5°	1646.6
5°	1634.7
7.5°	1597.0
10°	1527.5
12.5°	1419.2
15°	1273.7
17.5°	1084.4
20°	844.5
22.5°	575.8
25°	339.9
27.5°	179.7
30°	102.1
32.5°	66.0
35°	44.9
37.5°	32.1
40°	23.2
42.5°	15.9
45°	9.8
47.5°	6.3
50°	4.3
52.5°	3.1
55°	2.1
57.5°	1.3
60°	1.0
62.5°	0.6
65°	0.3
67.5°	0.2
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

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)