

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: P786374

Luminaire Tested: LERS6D10D010-EC6DR300210IC9030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D10D010-EC6DR300210IC9030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1957.9 lumens
Efficiency: N/A
Efficacy: 167.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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

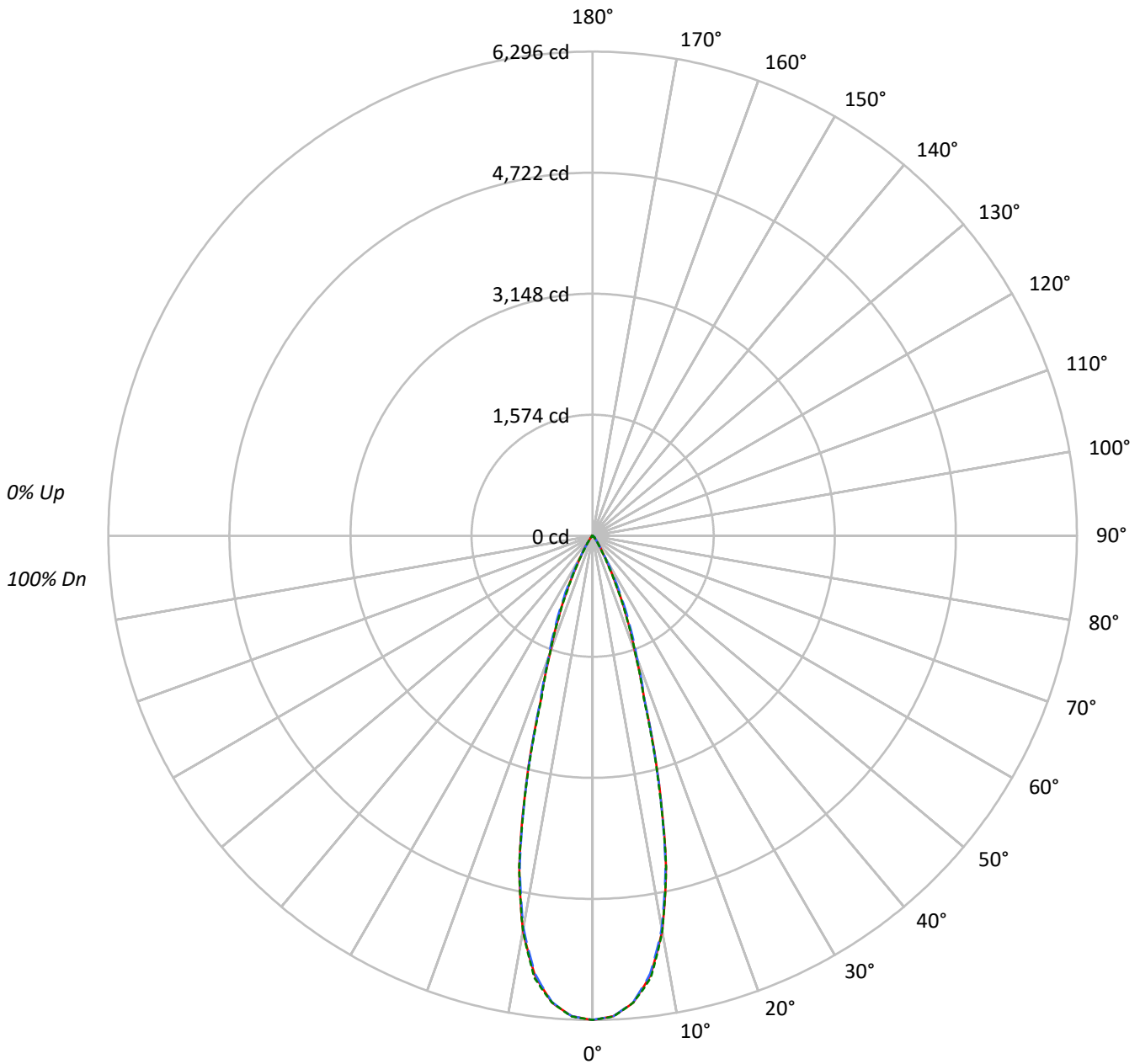


Downlight

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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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	481887	481887	481887
5°	468053	467507	468076
10°	405402	402549	405308
15°	264507	263089	261765
20°	131527	136463	131347
25°	66256	74710	64896
30°	26524	28902	23113
35°	12306	11783	9877
40°	5316	5895	5006
45°	3745	4655	3778
50°	1286	3382	1358
55°	747	1401	787
60°	520	612	520
65°	344	344	344
70°	201	134	201
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4655 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.6	28.3
10°-20°	891.6	45.5
20°-30°	385.3	19.7
30°-40°	87.8	4.5
40°-50°	30.2	1.5
50°-60°	7.4	0.4
60°-70°	1.9	0.1
70°-80°	0.2	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°	1830.5	93.5
0°-40°	1918.3	98.0
0°-60°	1955.8	99.9
0°-90°	1957.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6296	6296	6296	6296	6296	
5°	6092	6086	6084	6097	6092	554
15°	3338	3298	3320	3309	3303	894
25°	784	814	885	793	768	376
35°	132	134	126	125	106	89
45°	35	43	43	43	35	25
55°	6	6	10	6	6	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6295.6	6295.6	6295.6	6295.6	6295.6
2.5°	6253.9	6249.5	6252.0	6255.1	6256.3
5°	6091.6	6085.7	6084.5	6097.2	6091.9
7.5°	5764.3	5755.9	5743.2	5772.0	5798.9
10°	5215.9	5206.7	5179.2	5192.8	5214.7
12.5°	4406.4	4376.4	4375.8	4419.1	4413.2
15°	3337.9	3297.7	3320.0	3309.1	3303.3
17.5°	2244.6	2229.2	2258.8	2249.9	2211.2
20°	1614.7	1618.7	1675.3	1646.8	1612.5
22.5°	1178.3	1192.8	1259.9	1186.6	1159.7
25°	784.5	814.1	884.6	793.4	768.4
27.5°	482.5	496.1	567.5	476.3	462.7
30°	300.1	293.3	327.0	280.7	261.5
32.5°	196.9	188.2	199.1	178.7	163.2
35°	131.7	134.5	126.1	125.2	105.7
37.5°	82.2	94.6	83.5	89.0	68.0
40°	53.2	68.6	59.0	65.2	50.1
42.5°	43.6	52.9	48.5	51.6	44.5
45°	34.6	43.0	43.0	43.0	34.9
47.5°	19.2	28.7	36.8	29.4	20.4
50°	10.8	14.5	28.4	15.1	11.4
52.5°	7.4	8.3	19.5	8.7	7.7
55°	5.6	5.9	10.5	6.2	5.9
57.5°	4.3	4.6	5.6	4.6	4.3
60°	3.4	3.4	4.0	3.7	3.4
62.5°	2.5	2.5	2.8	2.5	2.5
65°	1.9	1.9	1.9	1.9	1.9
67.5°	0.9	1.2	1.2	1.2	1.2
70°	0.9	0.6	0.6	0.6	0.9
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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