

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: P788961

Luminaire Tested: LER6D10D010-EC6DR300210IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788961
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: LER6D10D010-EC6DR300210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1860.0 lumens
Efficiency: N/A
Efficacy: 159.0 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

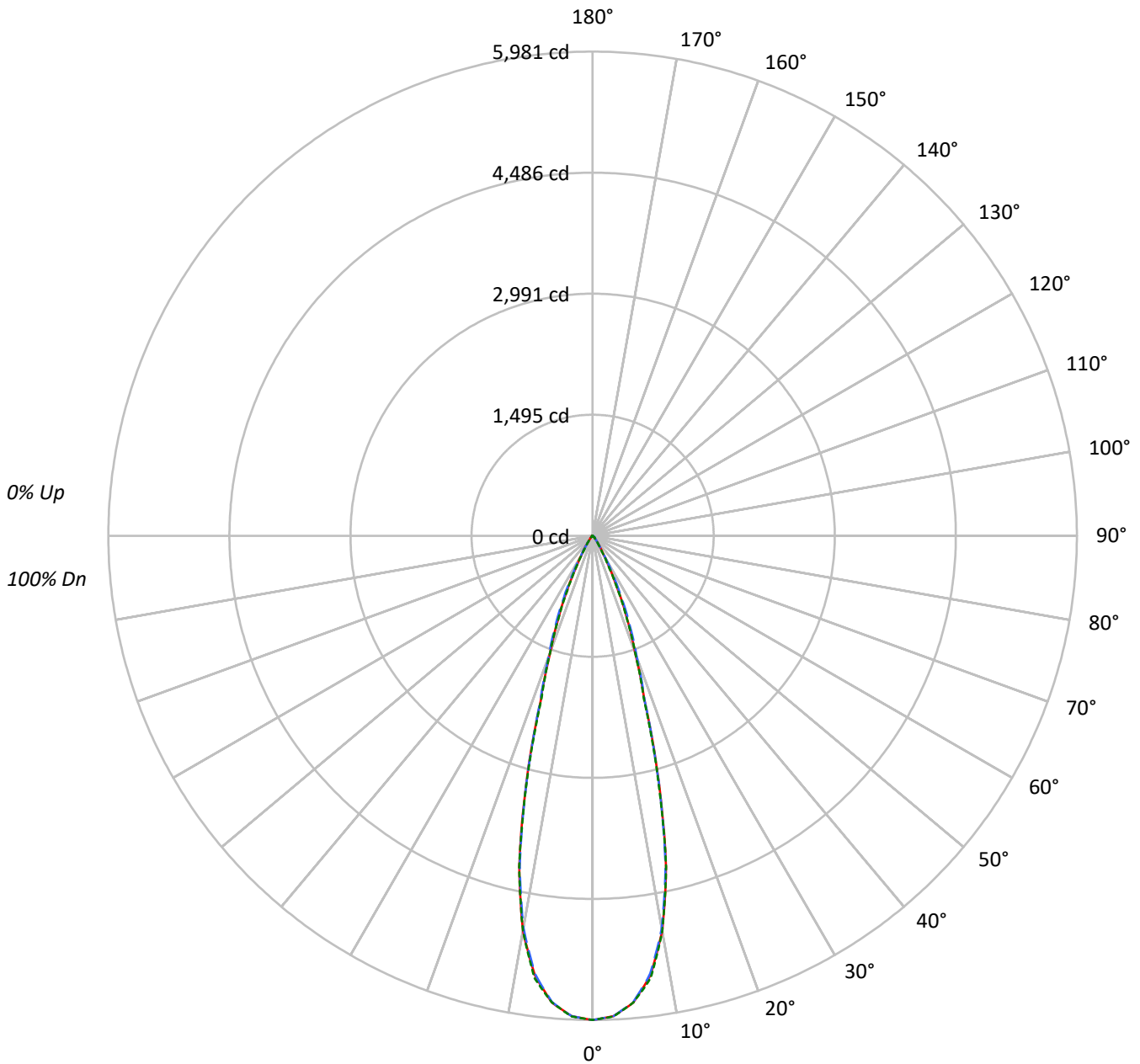


Downlight

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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	457791	457791	457791
5°	444649	444134	444672
10°	385131	382419	385046
15°	251281	249934	248674
20°	124953	129637	124782
25°	62945	70977	61653
30°	25198	27461	21955
35°	11690	11194	9382
40°	5046	5606	4756
45°	3561	4417	3594
50°	1227	3215	1298
55°	707	1334	747
60°	490	582	490
65°	326	326	326
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: 4417 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.9	28.3
10°-20°	847.0	45.5
20°-30°	366.0	19.7
30°-40°	83.4	4.5
40°-50°	28.6	1.5
50°-60°	7.0	0.4
60°-70°	1.8	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°	1738.9	93.5
0°-40°	1822.4	98.0
0°-60°	1858.0	99.9
0°-90°	1860.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1860.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5981	5981	5981	5981	5981	
5°	5787	5781	5780	5792	5787	526
15°	3171	3133	3154	3144	3138	849
25°	745	773	840	754	730	357
35°	125	128	120	119	100	85
45°	33	41	41	41	33	23
55°	5	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5980.8	5980.8	5980.8	5980.8	5980.8
2.5°	5941.2	5937.1	5939.4	5942.4	5943.5
5°	5787.0	5781.4	5780.3	5792.3	5787.3
7.5°	5476.1	5468.1	5456.1	5483.4	5508.9
10°	4955.1	4946.3	4920.2	4933.1	4954.0
12.5°	4186.1	4157.6	4157.0	4198.1	4192.6
15°	3171.0	3132.8	3154.0	3143.7	3138.1
17.5°	2132.4	2117.7	2145.9	2137.4	2100.7
20°	1534.0	1537.8	1591.5	1564.5	1531.9
22.5°	1119.3	1133.1	1196.9	1127.3	1101.7
25°	745.3	773.4	840.4	753.8	730.0
27.5°	458.4	471.3	539.1	452.5	439.6
30°	285.1	278.7	310.7	266.6	248.4
32.5°	187.0	178.8	189.1	169.7	155.0
35°	125.1	127.7	119.8	118.9	100.4
37.5°	78.1	89.9	79.3	84.6	64.6
40°	50.5	65.2	56.1	62.0	47.6
42.5°	41.4	50.2	46.1	49.0	42.3
45°	32.9	40.8	40.8	40.8	33.2
47.5°	18.2	27.3	34.9	27.9	19.4
50°	10.3	13.8	27.0	14.4	10.9
52.5°	7.0	7.9	18.5	8.2	7.3
55°	5.3	5.6	10.0	5.9	5.6
57.5°	4.1	4.4	5.3	4.4	4.1
60°	3.2	3.2	3.8	3.5	3.2
62.5°	2.3	2.3	2.6	2.3	2.3
65°	1.8	1.8	1.8	1.8	1.8
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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(END OF REPORT)