

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: P788964

Luminaire Tested: LER6D10D010-EC6DR300210IC9030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788964
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-EC6DR300210IC9030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 1864.7 lumens
Efficiency: N/A
Efficacy: 159.4 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

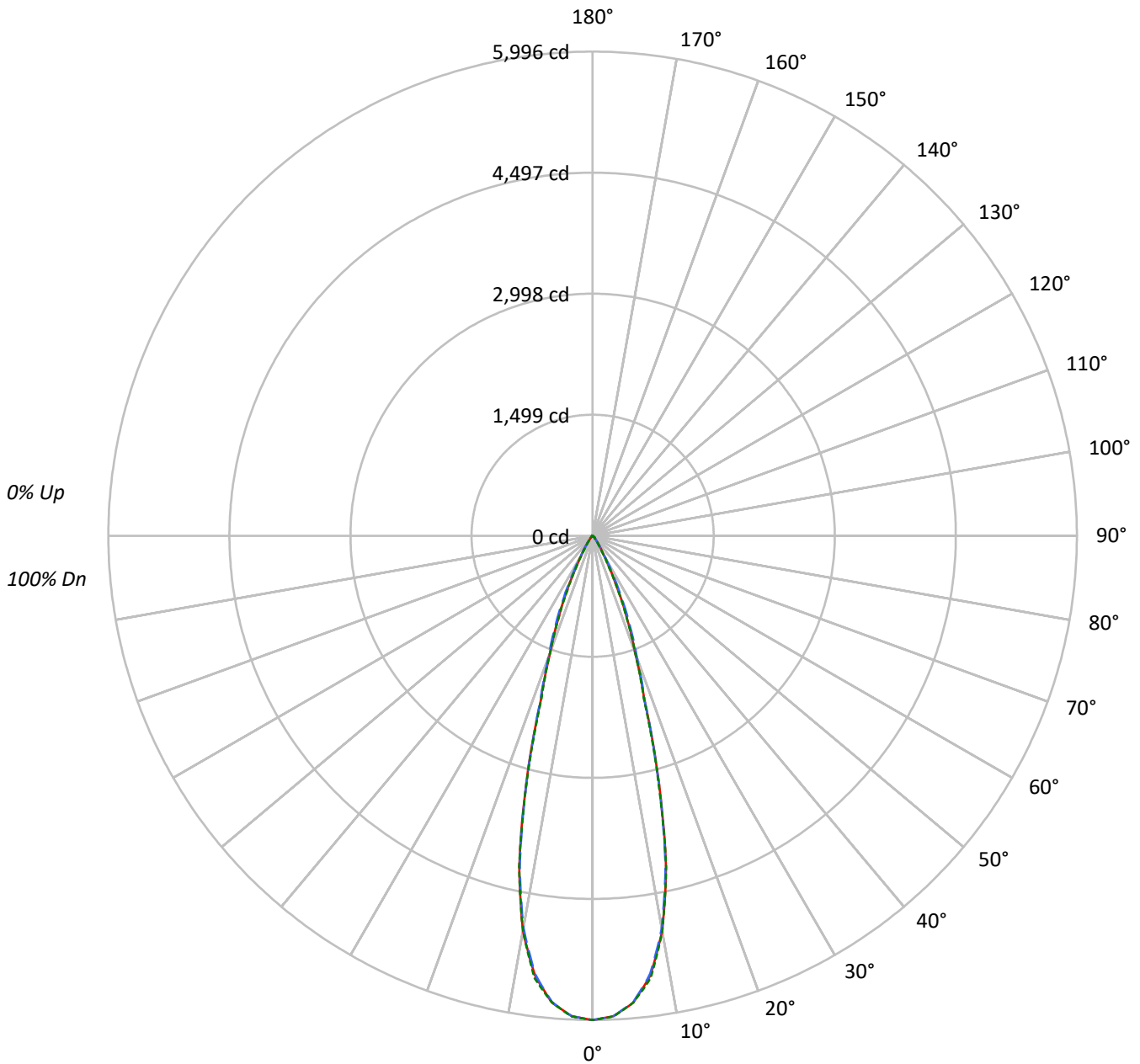


Downlight

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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	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°	458939	458939	458939
5°	445763	445240	445786
10°	386103	383375	386009
15°	251907	250560	249300
20°	125263	129963	125092
25°	63097	71154	61805
30°	25260	27523	22008
35°	11718	11222	9410
40°	5056	5616	4766
45°	3572	4427	3605
50°	1227	3227	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: 4427 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.2	28.3
10°-20°	849.1	45.5
20°-30°	366.9	19.7
30°-40°	83.6	4.5
40°-50°	28.7	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°	1743.3	93.5
0°-40°	1826.9	98.0
0°-60°	1862.6	99.9
0°-90°	1864.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1864.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5996	5996	5996	5996	5996	
5°	5802	5796	5795	5807	5802	528
15°	3179	3141	3162	3152	3146	851
25°	747	775	842	756	732	358
35°	125	128	120	119	101	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5995.8	5995.8	5995.8	5995.8	5995.8
2.5°	5956.1	5951.9	5954.3	5957.2	5958.4
5°	5801.5	5795.9	5794.7	5806.8	5801.8
7.5°	5489.8	5481.8	5469.8	5497.1	5522.7
10°	4967.6	4958.7	4932.5	4945.5	4966.4
12.5°	4196.6	4168.0	4167.5	4208.7	4203.1
15°	3178.9	3140.7	3161.9	3151.6	3146.0
17.5°	2137.7	2123.0	2151.3	2142.7	2106.0
20°	1537.8	1541.6	1595.5	1568.4	1535.7
22.5°	1122.2	1136.0	1199.9	1130.1	1104.5
25°	747.1	775.4	842.5	755.7	731.8
27.5°	459.5	472.5	540.5	453.6	440.7
30°	285.8	279.4	311.4	267.3	249.0
32.5°	187.5	179.3	189.6	170.1	155.4
35°	125.4	128.1	120.1	119.2	100.7
37.5°	78.3	90.1	79.5	84.8	64.8
40°	50.6	65.4	56.2	62.1	47.7
42.5°	41.5	50.3	46.2	49.2	42.4
45°	33.0	40.9	40.9	40.9	33.3
47.5°	18.3	27.4	35.0	28.0	19.4
50°	10.3	13.8	27.1	14.4	10.9
52.5°	7.1	7.9	18.5	8.2	7.4
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°	2.4	2.4	2.6	2.4	2.4
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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