

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: P789579

Luminaire Tested: LER6D15D010-EC6DR300215IC9030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789579
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: LER6D15D010-EC6DR300215IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1916.3 lumens
Efficiency: N/A
Efficacy: 121.3 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): 15.8
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

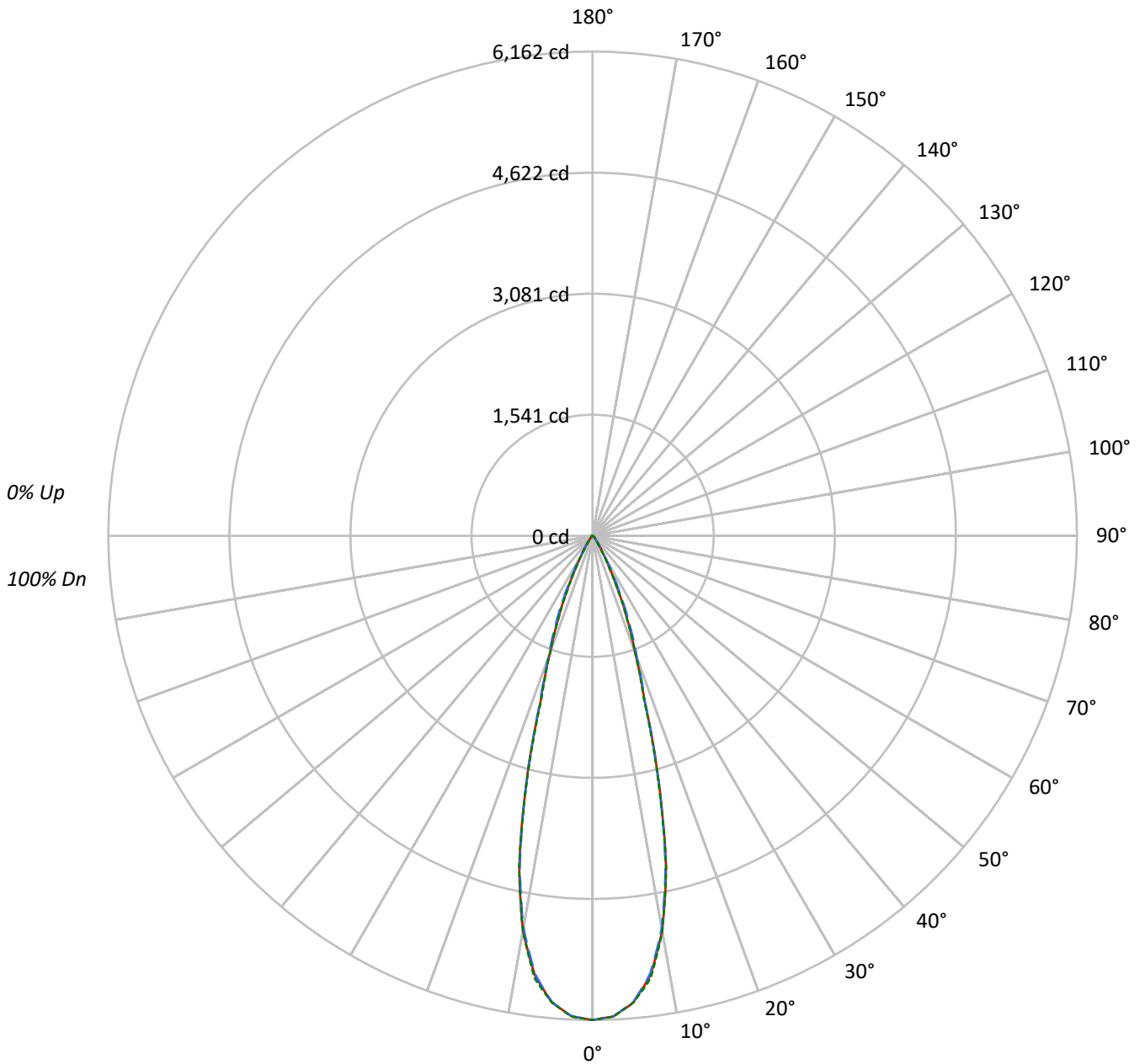


Downlight

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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°	471668	471668	471668
5°	458126	457588	458149
10°	396805	394007	396712
15°	258897	257502	256210
20°	128741	133563	128562
25°	64846	73131	63520
30°	25967	28292	22618
35°	12045	11531	9671
40°	5196	5775	4896
45°	3670	4557	3702
50°	1262	3310	1334
55°	721	1375	761
60°	505	597	505
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: 4557 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.9	28.3
10°-20°	872.7	45.5
20°-30°	377.1	19.7
30°-40°	85.9	4.5
40°-50°	29.5	1.5
50°-60°	7.2	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°	1791.6	93.5
0°-40°	1877.6	98.0
0°-60°	1914.3	99.9
0°-90°	1916.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1916.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6162	6162	6162	6162	6162	
5°	5962	5957	5955	5968	5963	542
15°	3267	3228	3250	3239	3233	875
25°	768	797	866	777	752	368
35°	129	132	123	122	104	87
45°	34	42	42	42	34	24
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°	6162.1	6162.1	6162.1	6162.1	6162.1
2.5°	6121.2	6117.0	6119.4	6122.4	6123.6
5°	5962.4	5956.6	5955.4	5967.8	5962.7
7.5°	5642.0	5633.8	5621.4	5649.6	5675.9
10°	5105.3	5096.2	5069.3	5082.6	5104.1
12.5°	4313.0	4283.6	4283.0	4325.4	4319.6
15°	3267.1	3227.8	3249.5	3239.0	3233.2
17.5°	2197.0	2181.9	2210.9	2202.2	2164.3
20°	1580.5	1584.4	1639.7	1611.9	1578.3
22.5°	1153.3	1167.5	1233.1	1161.4	1135.1
25°	767.8	796.9	865.9	776.6	752.1
27.5°	472.3	485.6	555.5	466.2	452.9
30°	293.8	287.1	320.1	274.7	255.9
32.5°	192.7	184.2	194.8	174.9	159.7
35°	128.9	131.6	123.4	122.5	103.5
37.5°	80.5	92.6	81.7	87.1	66.6
40°	52.0	67.2	57.8	63.8	49.0
42.5°	42.7	51.7	47.5	50.5	43.6
45°	33.9	42.1	42.1	42.1	34.2
47.5°	18.8	28.1	36.0	28.7	20.0
50°	10.6	14.2	27.8	14.8	11.2
52.5°	7.3	8.2	19.1	8.5	7.6
55°	5.4	5.7	10.3	6.1	5.7
57.5°	4.2	4.5	5.4	4.5	4.2
60°	3.3	3.3	3.9	3.6	3.3
62.5°	2.4	2.4	2.7	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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