

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: P789592

Luminaire Tested: LER6D15D010-EC6DR300215IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789592
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-EC6DR300215IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2645.1 lumens
Efficiency: N/A
Efficacy: 167.4 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

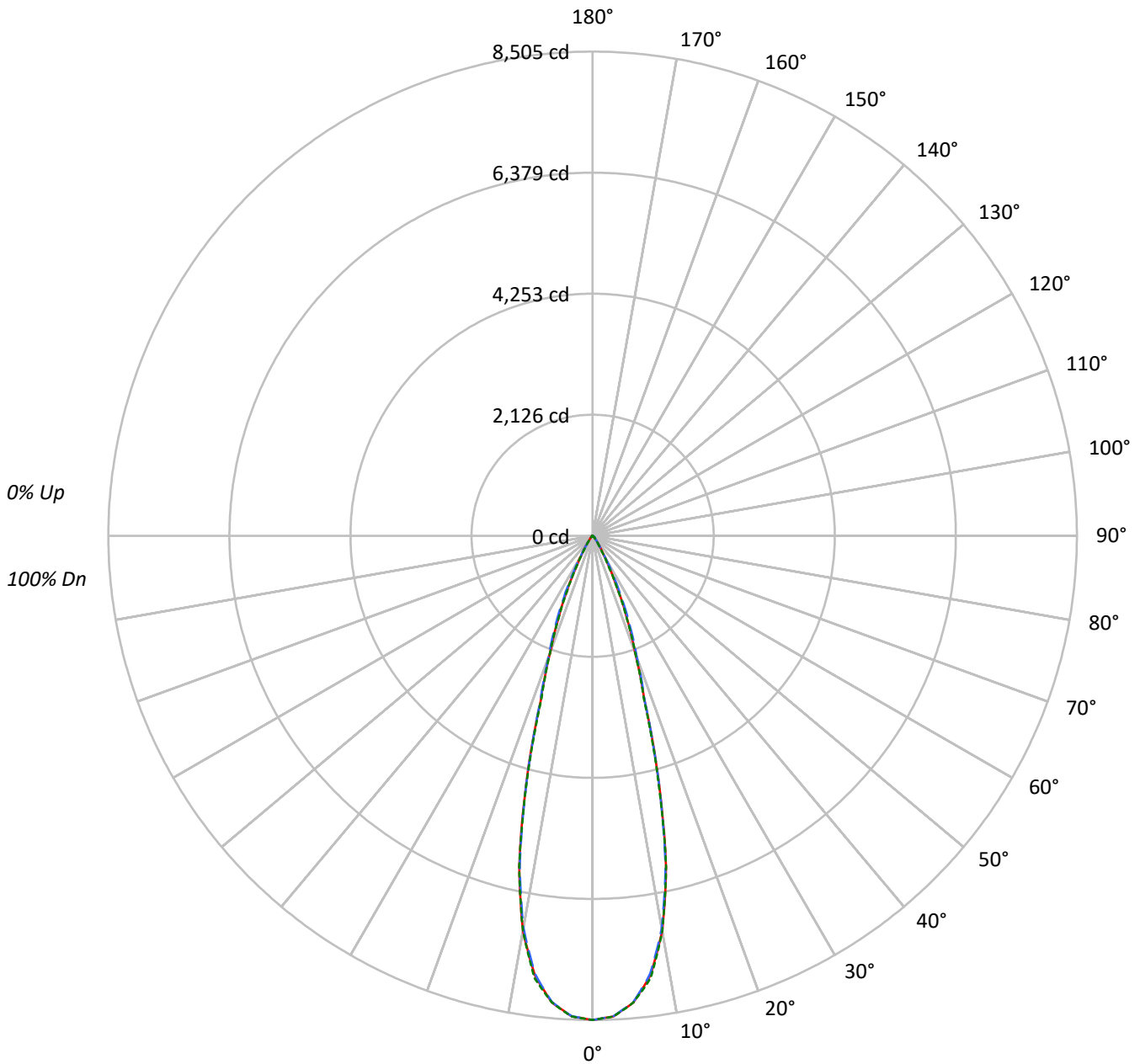
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	651025	651025	651025
5°	632328	631590	632366
10°	547691	543836	547567
15°	357341	355423	353640
20°	177688	184359	177451
25°	89507	100934	87674
30°	35840	39048	31226
35°	16623	15923	13344
40°	7174	7974	6755
45°	5066	6278	5109
50°	1739	4573	1846
55°	1001	1895	1054
60°	704	827	704
65°	453	453	453
70°	291	179	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6278 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.9	28.3
10°-20°	1204.5	45.5
20°-30°	520.5	19.7
30°-40°	118.6	4.5
40°-50°	40.7	1.5
50°-60°	9.9	0.4
60°-70°	2.6	0.1
70°-80°	0.3	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°	2472.9	93.5
0°-40°	2591.6	98.0
0°-60°	2642.2	99.9
0°-90°	2645.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2645.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8505	8505	8505	8505	8505	
5°	8230	8222	8220	8237	8230	749
15°	4509	4455	4485	4471	4463	1207
25°	1060	1100	1195	1072	1038	507
35°	178	182	170	169	143	121
45°	47	58	58	58	47	33
55°	8	8	14	8	8	7
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°	8505.3	8505.3	8505.3	8505.3	8505.3
2.5°	8448.9	8443.0	8446.4	8450.5	8452.2
5°	8229.6	8221.7	8220.0	8237.2	8230.1
7.5°	7787.4	7776.2	7759.0	7797.9	7834.2
10°	7046.6	7034.1	6997.0	7015.3	7045.0
12.5°	5953.0	5912.5	5911.7	5970.1	5962.2
15°	4509.4	4455.2	4485.2	4470.6	4462.7
17.5°	3032.5	3011.6	3051.7	3039.6	2987.4
20°	2181.4	2186.9	2263.3	2224.9	2178.5
22.5°	1591.8	1611.4	1702.1	1603.1	1566.8
25°	1059.8	1099.9	1195.1	1071.9	1038.1
27.5°	651.8	670.2	766.7	643.5	625.1
30°	405.5	396.3	441.8	379.2	353.3
32.5°	266.0	254.3	268.9	241.4	220.5
35°	177.9	181.6	170.4	169.1	142.8
37.5°	111.1	127.8	112.7	120.3	91.9
40°	71.8	92.7	79.8	88.1	67.6
42.5°	58.9	71.4	65.6	69.7	60.1
45°	46.8	58.0	58.0	58.0	47.2
47.5°	25.9	38.8	49.7	39.7	27.6
50°	14.6	19.6	38.4	20.5	15.5
52.5°	10.0	11.3	26.3	11.7	10.4
55°	7.5	7.9	14.2	8.4	7.9
57.5°	5.8	6.3	7.5	6.3	5.8
60°	4.6	4.6	5.4	5.0	4.6
62.5°	3.3	3.3	3.8	3.3	3.3
65°	2.5	2.5	2.5	2.5	2.5
67.5°	1.3	1.7	1.7	1.7	1.7
70°	1.3	0.8	0.8	0.8	1.3
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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