

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: P793736

Luminaire Tested: LER6D55D010-EC6DR3055659027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793736
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: LER6D55D010-EC6DR3055659027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6171.8 lumens
Efficiency: N/A
Efficacy: 106.0 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

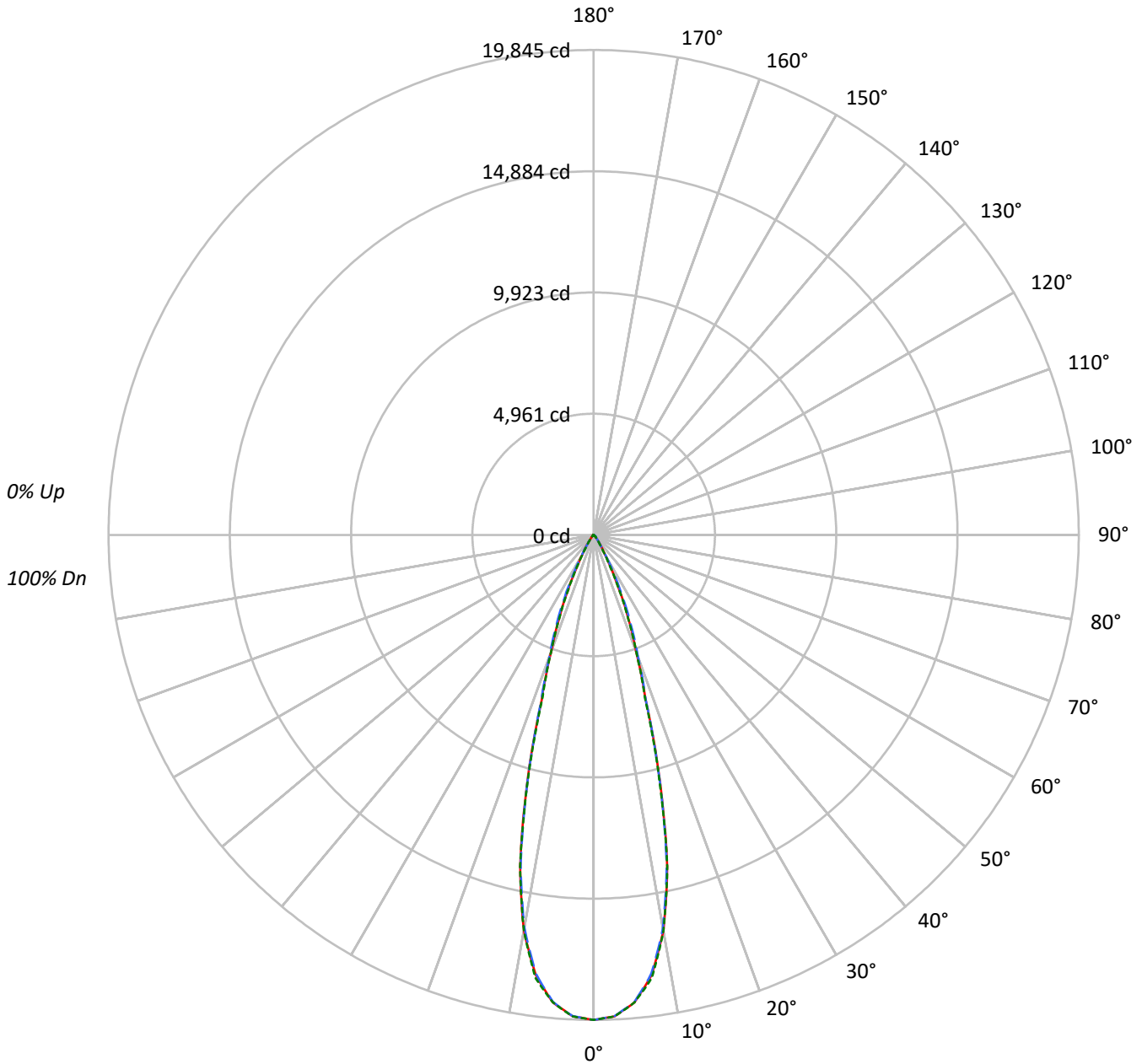
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1519027	1519027	1519027
5°	1475416	1473695	1475493
10°	1277934	1268925	1277630
15°	833793	829315	825139
20°	414602	430160	414048
25°	208852	235515	204570
30°	83621	91107	72856
35°	38788	37143	31135
40°	16747	18595	15767
45°	11810	14657	11918
50°	4061	10670	4299
55°	2335	4417	2469
60°	1638	1944	1638
65°	1050	1050	1050
70°	649	425	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14657 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1745.1	28.3
10°-20°	2810.5	45.5
20°-30°	1214.5	19.7
30°-40°	276.8	4.5
40°-50°	95.0	1.5
50°-60°	23.2	0.4
60°-70°	6.0	0.1
70°-80°	0.6	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°	5770.1	93.5
0°-40°	6046.9	98.0
0°-60°	6165.1	99.9
0°-90°	6171.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6171.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19845	19845	19845	19845	19845	
5°	19202	19184	19180	19220	19203	1747
15°	10522	10395	10465	10431	10413	2817
25°	2473	2566	2789	2501	2422	1184
35°	415	424	398	395	333	282
45°	109	135	135	135	110	77
55°	18	18	33	20	18	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
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°	19845.3	19845.3	19845.3	19845.3	19845.3
2.5°	19713.8	19700.1	19707.9	19717.7	19721.5
5°	19202.2	19183.7	19179.8	19219.8	19203.2
7.5°	18170.4	18144.1	18104.2	18194.8	18279.5
10°	16441.9	16412.7	16326.0	16368.9	16438.0
12.5°	13890.1	13795.6	13793.7	13930.1	13911.6
15°	10521.9	10395.2	10465.4	10431.2	10412.7
17.5°	7075.6	7026.9	7120.5	7092.2	6970.4
20°	5089.9	5102.6	5280.9	5191.3	5083.1
22.5°	3714.2	3760.0	3971.4	3740.5	3655.7
25°	2472.9	2566.4	2788.6	2501.1	2422.2
27.5°	1520.9	1563.8	1788.9	1501.5	1458.6
30°	946.1	924.6	1030.8	884.7	824.3
32.5°	620.7	593.4	627.5	563.2	514.4
35°	415.1	423.8	397.5	394.6	333.2
37.5°	259.2	298.1	263.1	280.6	214.4
40°	167.6	216.3	186.1	205.6	157.8
42.5°	137.4	166.6	153.0	162.7	140.3
45°	109.1	135.4	135.4	135.4	110.1
47.5°	60.4	90.6	115.9	92.6	64.3
50°	34.1	45.8	89.6	47.7	36.1
52.5°	23.4	26.3	61.4	27.3	24.4
55°	17.5	18.5	33.1	19.5	18.5
57.5°	13.6	14.6	17.5	14.6	13.6
60°	10.7	10.7	12.7	11.7	10.7
62.5°	7.8	7.8	8.8	7.8	7.8
65°	5.8	5.8	5.8	5.8	5.8
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	1.9	1.9	1.9	2.9
72.5°	1.9	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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