

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: P790785

Luminaire Tested: LER6D25D010-EC6DR3020359040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790785
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: LER6D25D010-EC6DR3020359040-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5505.1 lumens
Efficiency: N/A
Efficacy: 219.3 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

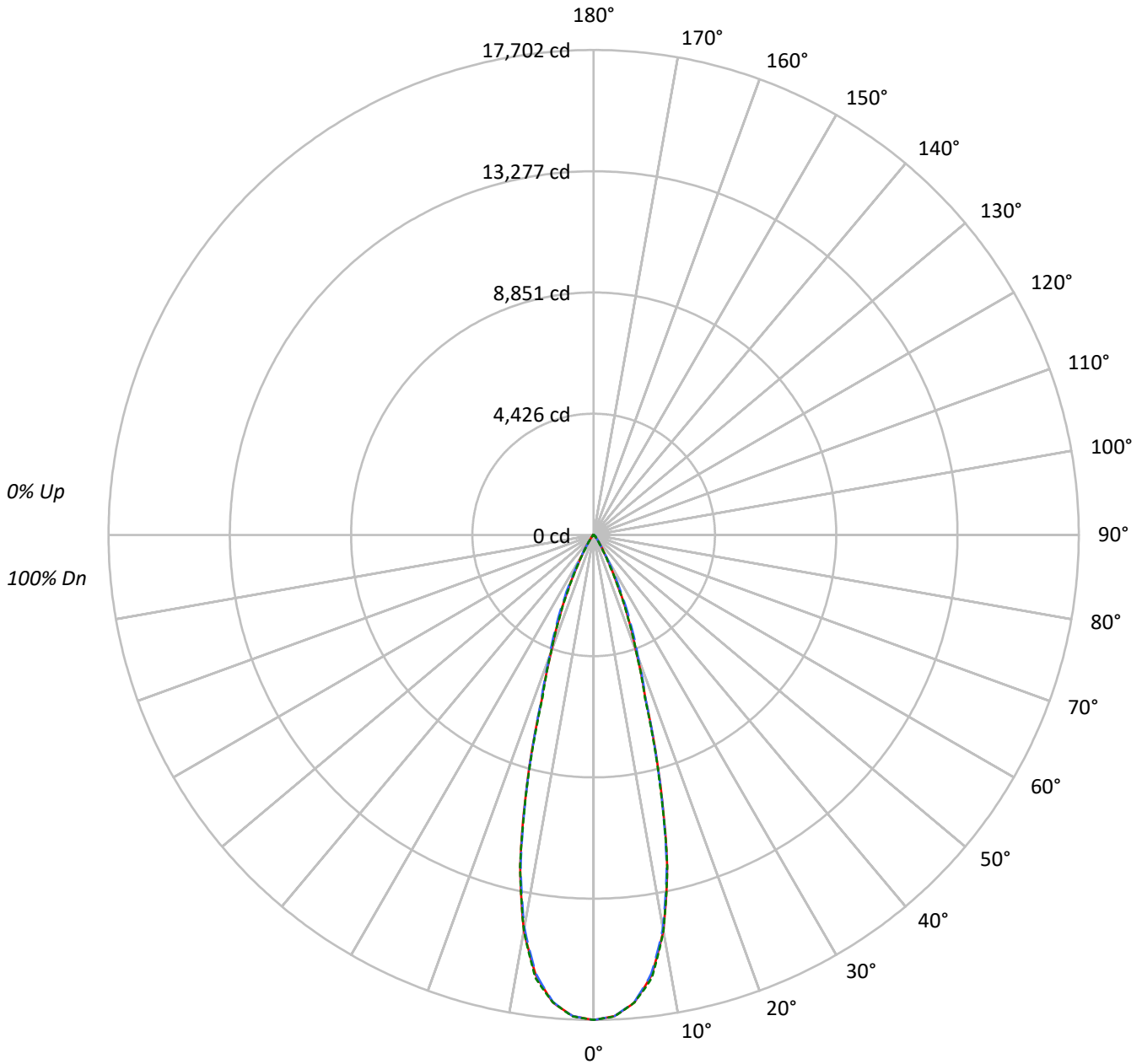
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1354948	1354948	1354948
5°	1316051	1314514	1316120
10°	1139903	1131859	1139631
15°	743725	739731	736014
20°	369817	383697	369329
25°	186294	210068	182476
30°	74588	81270	64989
35°	34592	33135	27771
40°	14938	16587	14069
45°	10533	13076	10630
50°	3620	9526	3834
55°	2082	3937	2202
60°	1470	1730	1470
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13076 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1556.6	28.3
10°-20°	2506.9	45.5
20°-30°	1083.3	19.7
30°-40°	246.9	4.5
40°-50°	84.8	1.5
50°-60°	20.7	0.4
60°-70°	5.4	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°	5146.8	93.5
0°-40°	5393.7	98.0
0°-60°	5499.2	99.9
0°-90°	5505.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5505.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17702	17702	17702	17702	17702	
5°	17128	17112	17108	17144	17129	1558
15°	9385	9272	9335	9304	9288	2513
25°	2206	2289	2487	2231	2161	1056
35°	370	378	355	352	297	251
45°	97	121	121	121	98	69
55°	16	16	30	17	16	15
65°	5	5	5	5	5	5
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°	17701.7	17701.7	17701.7	17701.7	17701.7
2.5°	17584.4	17572.2	17579.2	17587.9	17591.3
5°	17128.1	17111.6	17108.1	17143.8	17129.0
7.5°	16207.7	16184.3	16148.6	16229.5	16305.1
10°	14666.0	14639.9	14562.5	14600.8	14662.5
12.5°	12389.8	12305.5	12303.8	12425.4	12408.9
15°	9385.3	9272.4	9334.9	9304.5	9288.0
17.5°	6311.4	6267.9	6351.3	6326.1	6217.5
20°	4540.1	4551.4	4710.5	4630.5	4534.1
22.5°	3313.0	3353.8	3542.4	3336.5	3260.8
25°	2205.8	2289.2	2487.3	2231.0	2160.6
27.5°	1356.7	1394.9	1595.7	1339.3	1301.0
30°	843.9	824.8	919.5	789.1	735.3
32.5°	553.6	529.3	559.7	502.3	458.9
35°	370.2	378.1	354.6	352.0	297.2
37.5°	231.2	265.9	234.7	250.3	191.2
40°	149.5	192.9	166.0	183.4	140.8
42.5°	122.5	148.6	136.4	145.1	125.1
45°	97.3	120.8	120.8	120.8	98.2
47.5°	53.9	80.8	103.4	82.6	57.4
50°	30.4	40.8	80.0	42.6	32.2
52.5°	20.9	23.5	54.8	24.3	21.7
55°	15.6	16.5	29.5	17.4	16.5
57.5°	12.2	13.0	15.6	13.0	12.2
60°	9.6	9.6	11.3	10.4	9.6
62.5°	7.0	7.0	7.8	7.0	7.0
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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