

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: P790635

Luminaire Tested: LER6D25D010-EC6DR1515309035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790635
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR1515309035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2986.7 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

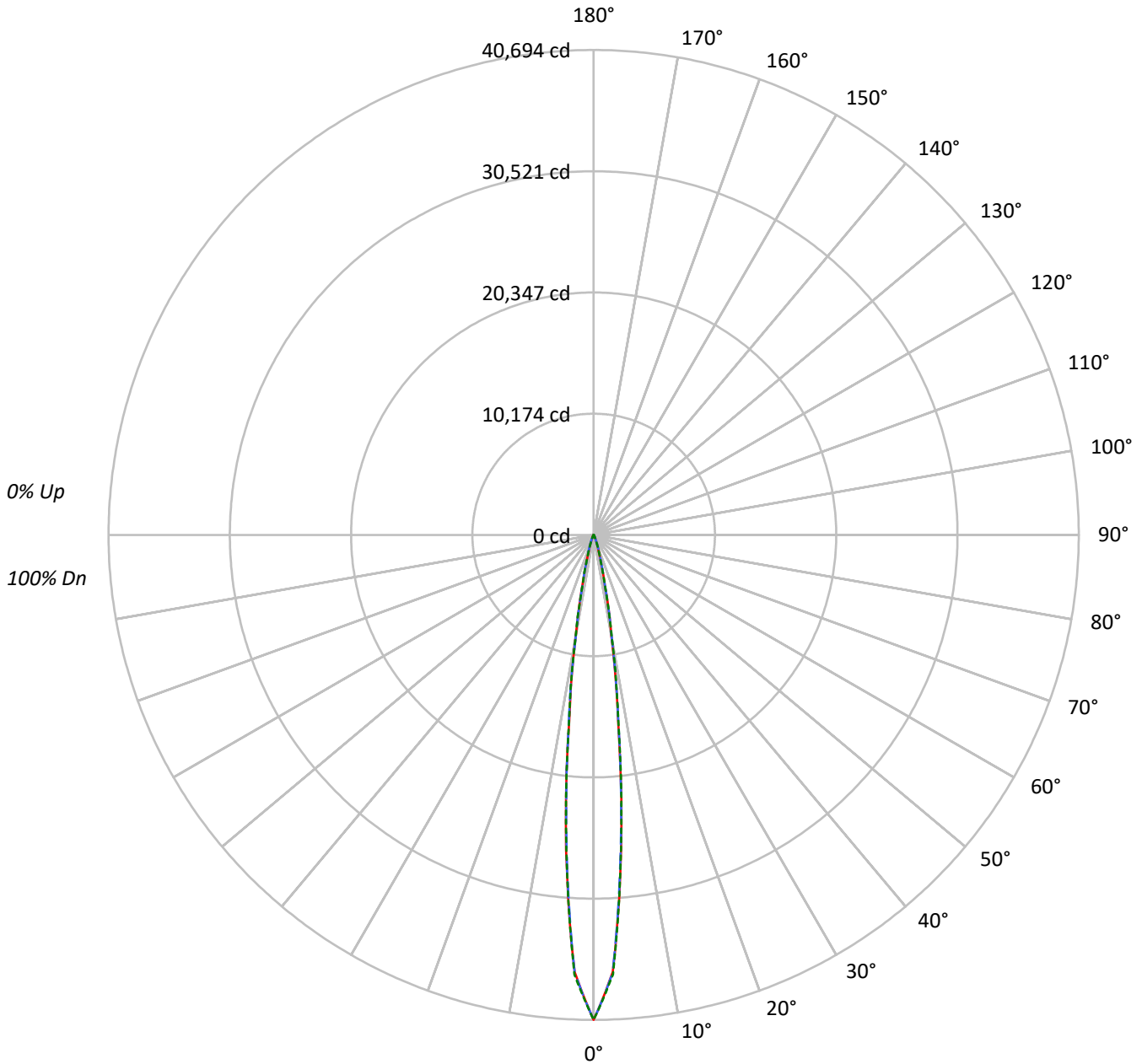
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4578876	4578876	4578876
5°	2690757	2655919	2676936
10°	803070	808697	821069
15°	199753	203645	197365
20°	59763	69214	61032
25°	21072	26837	21337
30°	7743	10191	7870
35°	3878	4379	3754
40°	2450	2691	2450
45°	1806	1932	1806
50°	1439	1439	1439
55°	1197	1197	1197
60°	969	969	969
65°	735	735	735
70°	629	629	629
75°	393	393	522
80°	268	268	268
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1932 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1937.1	64.9
10°-20°	796.8	26.7
20°-30°	158.3	5.3
30°-40°	39.5	1.3
40°-50°	20.8	0.7
50°-60°	15.4	0.5
60°-70°	10.9	0.4
70°-80°	6.2	0.2
80°-90°	1.8	0.1
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°	2892.2	96.8
0°-40°	2931.7	98.2
0°-60°	2967.8	99.4
0°-90°	2986.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2986.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40694	40694	40694	40694	40694	
5°	26476	26204	26134	26314	26340	1933
15°	2300	2343	2345	2303	2272	788
25°	270	307	344	305	274	142
35°	53	57	60	57	52	36
45°	26	26	28	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	40693.9	40693.9	40693.9	40693.9	40693.9
2.5°	36707.5	36738.5	36750.6	36786.8	36921.1
5°	26476.3	26204.2	26133.5	26314.4	26340.3
7.5°	15683.6	15738.7	15940.2	15985.0	15823.1
10°	8606.7	8677.3	8667.0	8729.0	8799.6
12.5°	4401.5	4346.4	4329.2	4399.8	4301.6
15°	2299.8	2342.9	2344.6	2303.3	2272.3
17.5°	1236.9	1286.9	1369.6	1302.4	1199.0
20°	730.4	775.2	845.9	790.7	745.9
22.5°	451.4	487.5	537.5	494.4	458.2
25°	270.5	306.6	344.5	304.9	273.9
27.5°	160.2	191.2	215.3	189.5	158.5
30°	103.4	120.6	136.1	118.9	105.1
32.5°	72.4	79.2	86.1	79.2	72.4
35°	53.4	56.8	60.3	56.8	51.7
37.5°	41.3	44.8	46.5	43.1	39.6
40°	34.5	36.2	37.9	36.2	34.5
42.5°	29.3	31.0	31.0	31.0	29.3
45°	25.8	25.8	27.6	25.8	25.8
47.5°	22.4	22.4	24.1	22.4	22.4
50°	20.7	20.7	20.7	20.7	20.7
52.5°	18.9	18.9	18.9	18.9	18.9
55°	17.2	17.2	17.2	17.2	17.2
57.5°	15.5	15.5	15.5	15.5	15.5
60°	13.8	13.8	13.8	13.8	13.8
62.5°	12.1	12.1	12.1	12.1	12.1
65°	10.3	10.3	10.3	10.3	10.3
67.5°	10.3	10.3	10.3	10.3	10.3
70°	8.6	8.6	8.6	8.6	8.6
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.2	5.2	5.2	5.2	6.9
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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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