

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: P790613

Luminaire Tested: LER6D25D010-EC6DR1515309024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790613
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-EC6DR1515309024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2761.4 lumens
Efficiency: N/A
Efficacy: 110.0 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

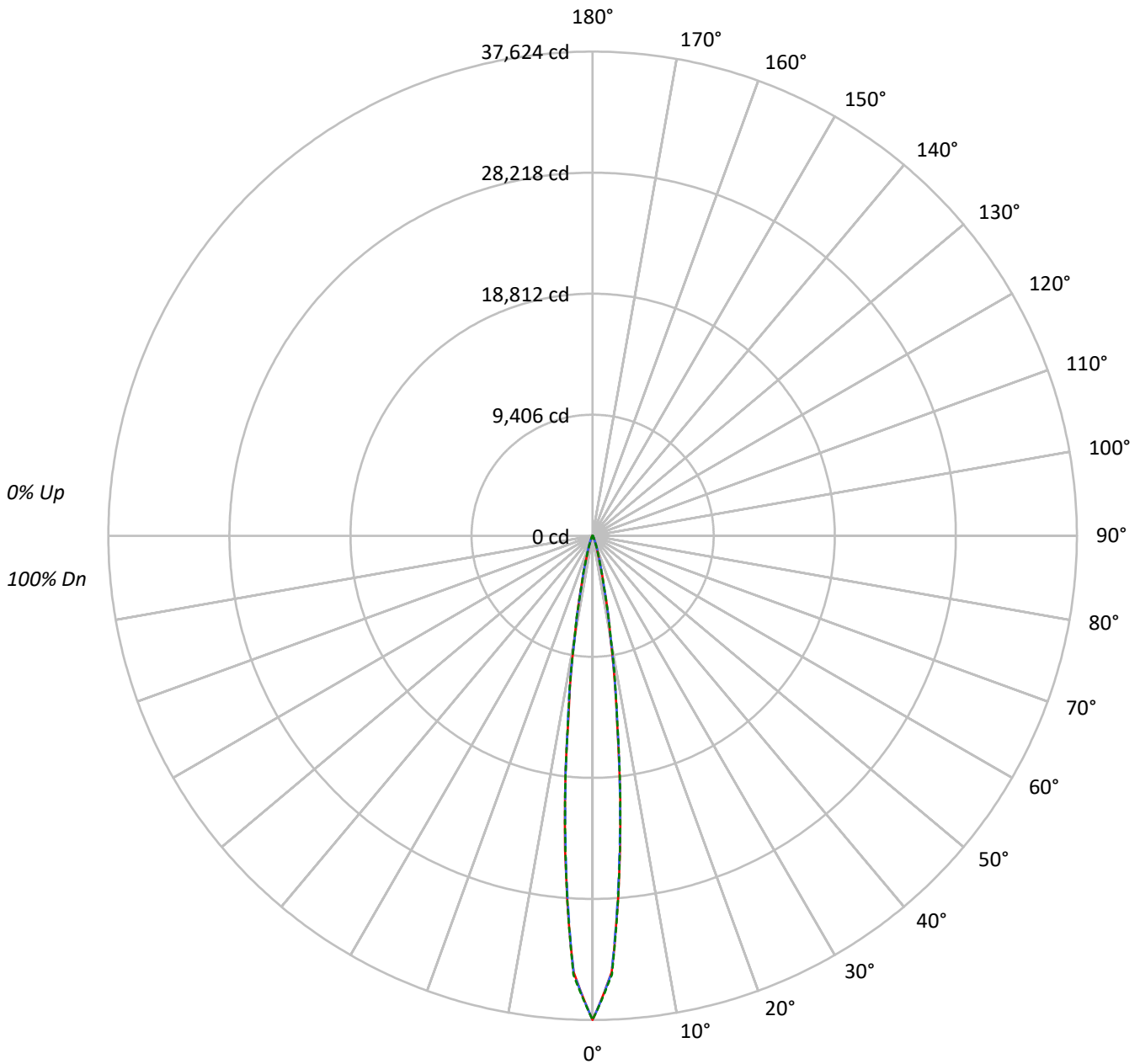


Downlight

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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°	4233428	4233428	4233428
5°	2487764	2455547	2474969
10°	742476	747683	759123
15°	184684	188280	182469
20°	55255	63985	56433
25°	19483	24811	19724
30°	7159	9420	7278
35°	3587	4045	3471
40°	2265	2486	2265
45°	1673	1785	1673
50°	1328	1328	1328
55°	1107	1107	1107
60°	892	892	892
65°	685	685	685
70°	585	585	585
75°	363	363	484
80°	252	252	252
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1785 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1791.0	64.9
10°-20°	736.7	26.7
20°-30°	146.3	5.3
30°-40°	36.5	1.3
40°-50°	19.2	0.7
50°-60°	14.2	0.5
60°-70°	10.1	0.4
70°-80°	5.7	0.2
80°-90°	1.7	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°	2674.0	96.8
0°-40°	2710.5	98.2
0°-60°	2743.9	99.4
0°-90°	2761.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2761.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37624	37624	37624	37624	37624	
5°	24479	24227	24162	24329	24353	1788
15°	2126	2166	2168	2130	2101	729
25°	250	284	318	282	253	131
35°	49	53	56	53	48	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	10
75°	5	5	5	5	6	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°	37623.8	37623.8	37623.8	37623.8	37623.8
2.5°	33938.2	33966.8	33978.0	34011.4	34135.7
5°	24478.9	24227.2	24161.9	24329.1	24353.0
7.5°	14500.3	14551.3	14737.7	14779.1	14629.3
10°	7957.3	8022.6	8013.1	8070.4	8135.7
12.5°	4069.5	4018.5	4002.6	4067.9	3977.1
15°	2126.3	2166.1	2167.7	2129.5	2100.8
17.5°	1143.6	1189.8	1266.2	1204.1	1108.5
20°	675.3	716.7	782.0	731.1	689.7
22.5°	417.3	450.7	496.9	457.1	423.7
25°	250.1	283.5	318.5	281.9	253.2
27.5°	148.1	176.8	199.1	175.2	146.5
30°	95.6	111.5	125.8	109.9	97.2
32.5°	66.9	73.3	79.6	73.3	66.9
35°	49.4	52.6	55.7	52.6	47.8
37.5°	38.2	41.4	43.0	39.8	36.6
40°	31.9	33.4	35.0	33.4	31.9
42.5°	27.1	28.7	28.7	28.7	27.1
45°	23.9	23.9	25.5	23.9	23.9
47.5°	20.7	20.7	22.3	20.7	20.7
50°	19.1	19.1	19.1	19.1	19.1
52.5°	17.5	17.5	17.5	17.5	17.5
55°	15.9	15.9	15.9	15.9	15.9
57.5°	14.3	14.3	14.3	14.3	14.3
60°	12.7	12.7	12.7	12.7	12.7
62.5°	11.1	11.1	11.1	11.1	11.1
65°	9.6	9.6	9.6	9.6	9.6
67.5°	9.6	9.6	9.6	9.6	9.6
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.4	6.4	6.4	6.4	6.4
75°	4.8	4.8	4.8	4.8	6.4
77.5°	4.8	4.8	4.8	4.8	4.8
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
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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