

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P790638

Luminaire Tested: LER6D25D010-EC6DR1515309035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790638
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-EC6DR1515309035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3023.2 lumens
Efficiency: N/A
Efficacy: 120.4 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

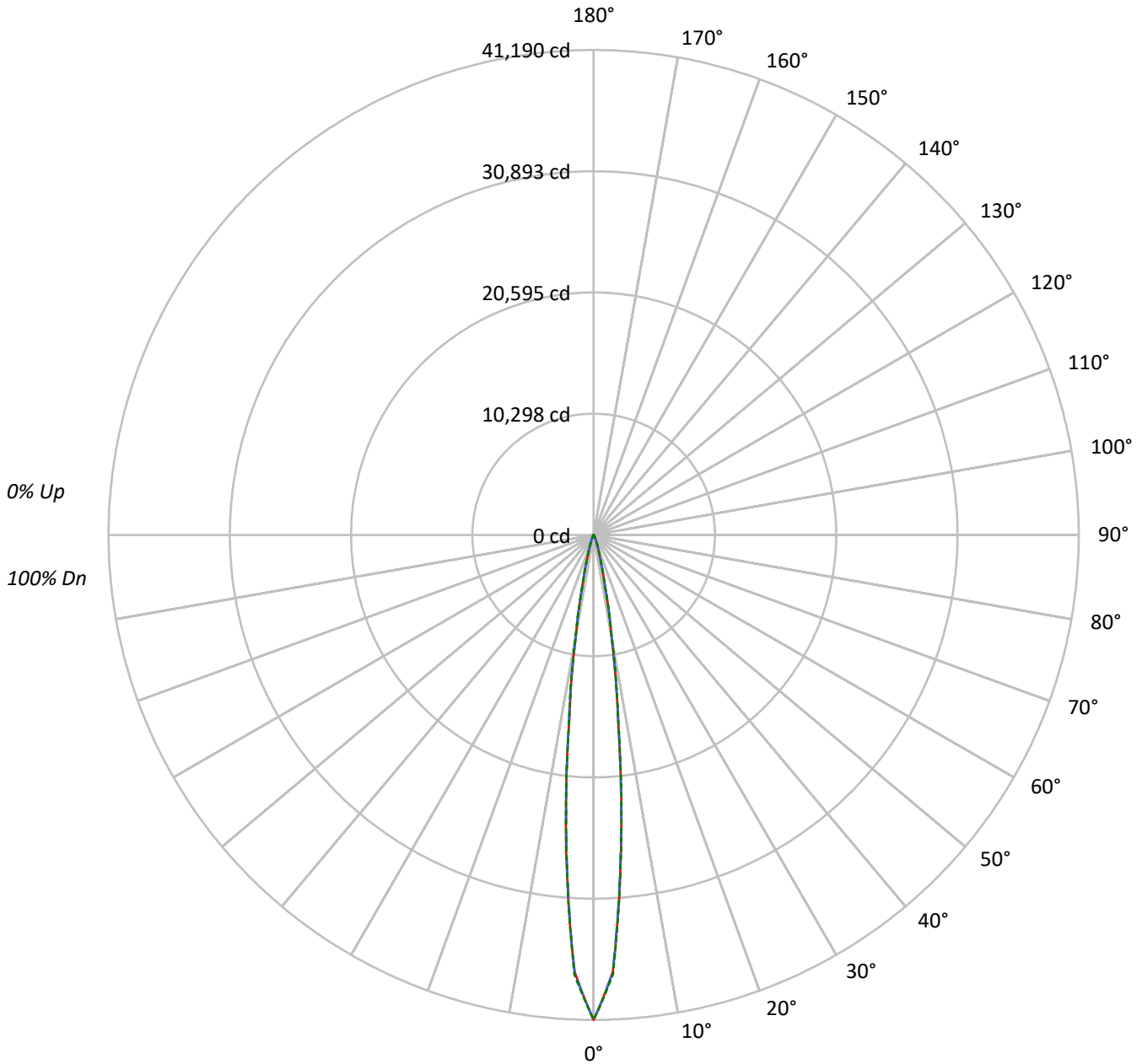


Downlight

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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°	4634719	4634719	4634719
5°	2723573	2688308	2709579
10°	812858	818560	831081
15°	202194	206129	199771
20°	60492	70057	61776
25°	21329	27164	21602
30°	7833	10319	7967
35°	3929	4430	3798
40°	2478	2727	2478
45°	1834	1953	1834
50°	1453	1453	1453
55°	1211	1211	1211
60°	976	976	976
65°	749	749	749
70°	636	636	636
75°	393	393	529
80°	276	276	276
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1953 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1960.7	64.9
10°-20°	806.5	26.7
20°-30°	160.2	5.3
30°-40°	40.0	1.3
40°-50°	21.0	0.7
50°-60°	15.6	0.5
60°-70°	11.0	0.4
70°-80°	6.3	0.2
80°-90°	1.9	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°	2927.4	96.8
0°-40°	2967.4	98.2
0°-60°	3004.0	99.4
0°-90°	3023.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3023.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41190	41190	41190	41190	41190	
5°	26799	26524	26452	26635	26662	1957
15°	2328	2372	2373	2331	2300	798
25°	274	310	349	309	277	144
35°	54	58	61	58	52	37
45°	26	26	28	26	26	20
55°	17	17	17	17	17	16
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°	41190.2	41190.2	41190.2	41190.2	41190.2
2.5°	37155.2	37186.6	37198.8	37235.4	37371.4
5°	26799.2	26523.7	26452.2	26635.3	26661.5
7.5°	15874.8	15930.6	16134.6	16180.0	16016.1
10°	8711.6	8783.1	8772.7	8835.4	8906.9
12.5°	4455.2	4399.4	4382.0	4453.5	4354.1
15°	2327.9	2371.5	2373.2	2331.4	2300.0
17.5°	1252.0	1302.6	1386.3	1318.3	1213.6
20°	739.3	784.7	856.2	800.4	755.0
22.5°	456.9	493.5	544.0	500.4	463.8
25°	273.8	310.4	348.7	308.6	277.3
27.5°	162.2	193.6	218.0	191.8	160.4
30°	104.6	122.1	137.8	120.3	106.4
32.5°	73.2	80.2	87.2	80.2	73.2
35°	54.1	57.5	61.0	57.5	52.3
37.5°	41.8	45.3	47.1	43.6	40.1
40°	34.9	36.6	38.4	36.6	34.9
42.5°	29.6	31.4	31.4	31.4	29.6
45°	26.2	26.2	27.9	26.2	26.2
47.5°	22.7	22.7	24.4	22.7	22.7
50°	20.9	20.9	20.9	20.9	20.9
52.5°	19.2	19.2	19.2	19.2	19.2
55°	17.4	17.4	17.4	17.4	17.4
57.5°	15.7	15.7	15.7	15.7	15.7
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.5	10.5	10.5	10.5	10.5
67.5°	10.5	10.5	10.5	10.5	10.5
70°	8.7	8.7	8.7	8.7	8.7
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.2	5.2	5.2	5.2	7.0
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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(END OF REPORT)