

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: P790614

Luminaire Tested: LER6D25D010-EC6DR1515309024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790614  
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-EC6DR1515309024-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2498.4 lumens  
Efficiency: N/A  
Efficacy: 99.5 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<sub>in</sub>): 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

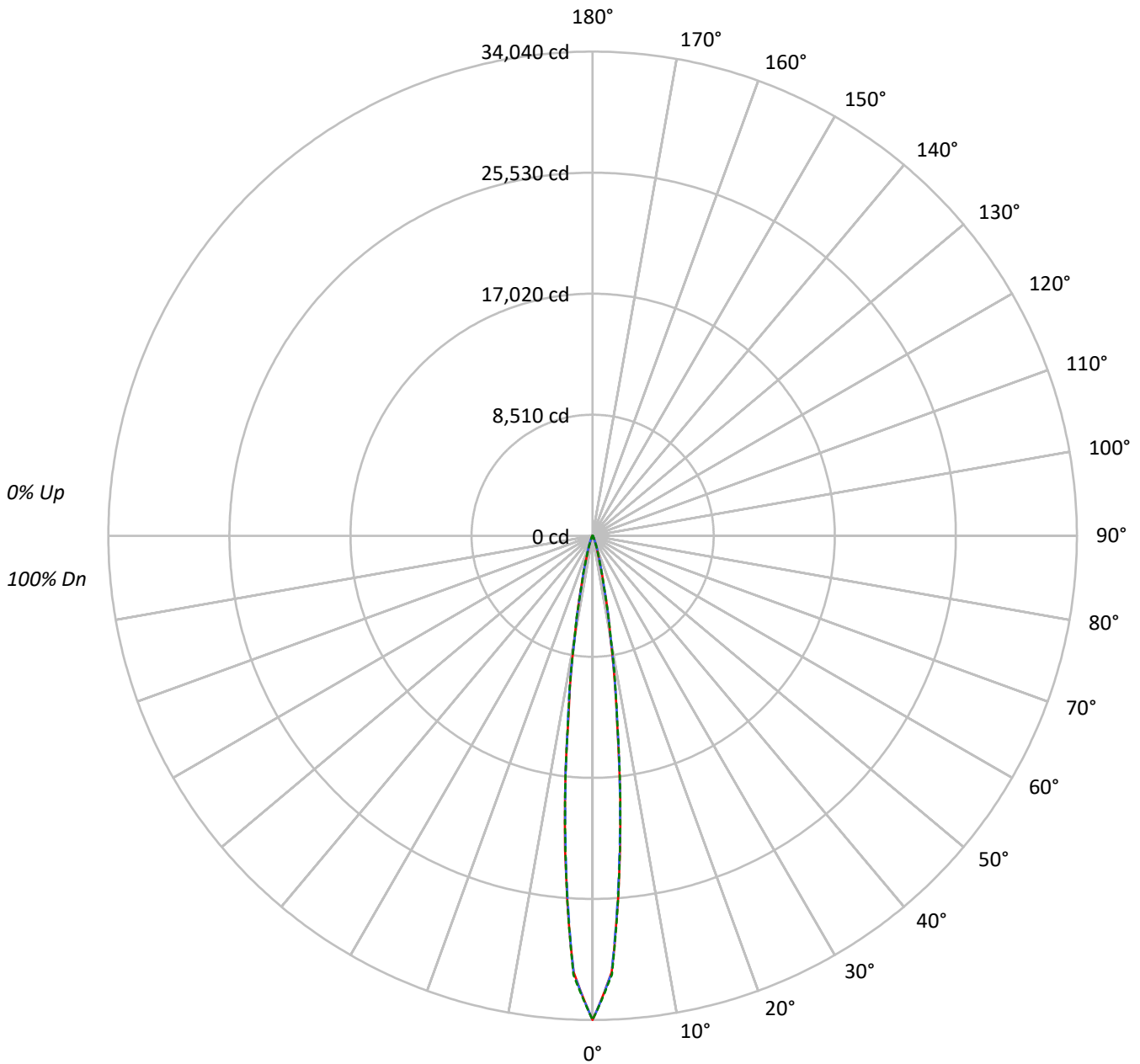


Downlight

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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°	3830224	3830224	3830224
5°	2250816	2221679	2239251
10°	671768	676471	686828
15°	167095	170352	165089
20°	49994	57898	51057
25°	17621	22451	17847
30°	6477	8521	6582
35°	3246	3660	3137
40°	2045	2251	2045
45°	1512	1617	1512
50°	1203	1203	1203
55°	1002	1002	1002
60°	807	807	807
65°	614	614	614
70°	527	527	527
75°	325	325	438
80°	229	229	229
85°	116	116	116

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1617 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1620.4	64.9
10°-20°	666.5	26.7
20°-30°	132.4	5.3
30°-40°	33.0	1.3
40°-50°	17.4	0.7
50°-60°	12.9	0.5
60°-70°	9.1	0.4
70°-80°	5.2	0.2
80°-90°	1.6	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°	2419.3	96.8
0°-40°	2452.3	98.2
0°-60°	2482.6	99.4
0°-90°	2498.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2498.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	34040	34040	34040	34040	34040	
5°	22147	21920	21861	22012	22034	1617
15°	1924	1960	1961	1927	1901	660
25°	226	256	288	255	229	119
35°	45	48	50	48	43	30
45°	22	22	23	22	22	17
55°	14	14	14	14	14	13
65°	9	9	9	9	9	9
75°	4	4	4	4	6	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	34040.4	34040.4	34040.4	34040.4	34040.4
2.5°	30705.8	30731.8	30741.8	30772.1	30884.5
5°	22147.4	21919.8	21860.7	22012.0	22033.6
7.5°	13119.3	13165.4	13334.0	13371.5	13236.0
10°	7199.5	7258.6	7249.9	7301.8	7360.9
12.5°	3681.9	3635.8	3621.4	3680.4	3598.3
15°	1923.8	1959.8	1961.3	1926.7	1900.7
17.5°	1034.7	1076.5	1145.6	1089.4	1003.0
20°	611.0	648.5	707.6	661.4	624.0
22.5°	377.6	407.8	449.6	413.6	383.3
25°	226.2	256.5	288.2	255.1	229.1
27.5°	134.0	160.0	180.1	158.5	132.6
30°	86.5	100.9	113.8	99.4	87.9
32.5°	60.5	66.3	72.1	66.3	60.5
35°	44.7	47.6	50.4	47.6	43.2
37.5°	34.6	37.5	38.9	36.0	33.1
40°	28.8	30.3	31.7	30.3	28.8
42.5°	24.5	25.9	25.9	25.9	24.5
45°	21.6	21.6	23.1	21.6	21.6
47.5°	18.7	18.7	20.2	18.7	18.7
50°	17.3	17.3	17.3	17.3	17.3
52.5°	15.9	15.9	15.9	15.9	15.9
55°	14.4	14.4	14.4	14.4	14.4
57.5°	13.0	13.0	13.0	13.0	13.0
60°	11.5	11.5	11.5	11.5	11.5
62.5°	10.1	10.1	10.1	10.1	10.1
65°	8.6	8.6	8.6	8.6	8.6
67.5°	8.6	8.6	8.6	8.6	8.6
70°	7.2	7.2	7.2	7.2	7.2
72.5°	5.8	5.8	5.8	5.8	5.8
75°	4.3	4.3	4.3	4.3	5.8
77.5°	4.3	4.3	4.3	4.3	4.3
80°	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9
85°	1.4	1.4	1.4	1.4	1.4
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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(END OF REPORT)