

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: P790642

Luminaire Tested: LER6D25D010-EC6DR1515309040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790642
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-EC6DR1515309040-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3009.1 lumens
Efficiency: N/A
Efficacy: 119.9 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

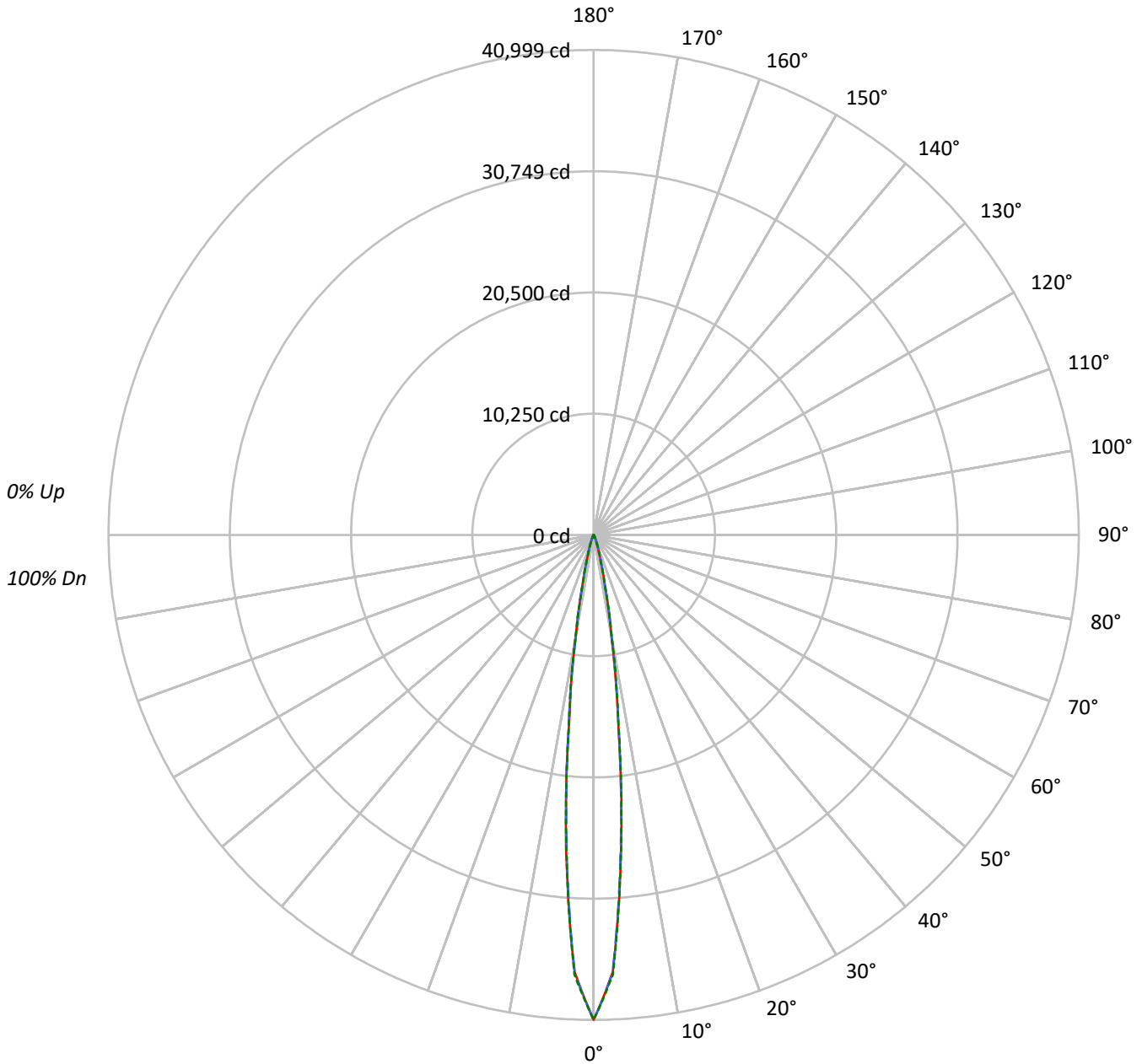


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4613160	4613160	4613160
5°	2710910	2675808	2696977
10°	809079	814753	827218
15°	201247	205173	198841
20°	60213	69729	61490
25°	21228	27039	21501
30°	7795	10266	7930
35°	3907	4408	3783
40°	2464	2713	2464
45°	1820	1946	1820
50°	1446	1446	1446
55°	1211	1211	1211
60°	976	976	976
65°	742	742	742
70°	636	636	636
75°	393	393	522
80°	276	276	276
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1946 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1951.6	64.9
10°-20°	802.8	26.7
20°-30°	159.4	5.3
30°-40°	39.8	1.3
40°-50°	20.9	0.7
50°-60°	15.5	0.5
60°-70°	10.9	0.4
70°-80°	6.2	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°	2913.8	96.8
0°-40°	2953.6	98.2
0°-60°	2990.0	99.4
0°-90°	3009.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3009.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40999	40999	40999	40999	40999	
5°	26675	26400	26329	26512	26538	1948
15°	2317	2360	2362	2320	2289	794
25°	272	309	347	307	276	143
35°	54	57	61	57	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°	40998.6	40998.6	40998.6	40998.6	40998.6
2.5°	36982.4	37013.7	37025.8	37062.3	37197.7
5°	26674.6	26400.4	26329.2	26511.5	26537.5
7.5°	15801.0	15856.6	16059.6	16104.8	15941.6
10°	8671.1	8742.3	8731.9	8794.3	8865.5
12.5°	4434.5	4379.0	4361.6	4432.8	4333.8
15°	2317.0	2360.4	2362.2	2320.5	2289.3
17.5°	1246.2	1296.5	1379.8	1312.1	1208.0
20°	735.9	781.0	852.2	796.6	751.5
22.5°	454.7	491.2	541.5	498.1	461.7
25°	272.5	308.9	347.1	307.2	276.0
27.5°	161.4	192.7	217.0	190.9	159.7
30°	104.1	121.5	137.1	119.8	105.9
32.5°	72.9	79.8	86.8	79.8	72.9
35°	53.8	57.3	60.7	57.3	52.1
37.5°	41.7	45.1	46.9	43.4	39.9
40°	34.7	36.4	38.2	36.4	34.7
42.5°	29.5	31.2	31.2	31.2	29.5
45°	26.0	26.0	27.8	26.0	26.0
47.5°	22.6	22.6	24.3	22.6	22.6
50°	20.8	20.8	20.8	20.8	20.8
52.5°	19.1	19.1	19.1	19.1	19.1
55°	17.4	17.4	17.4	17.4	17.4
57.5°	15.6	15.6	15.6	15.6	15.6
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.1	12.1	12.1	12.1	12.1
65°	10.4	10.4	10.4	10.4	10.4
67.5°	10.4	10.4	10.4	10.4	10.4
70°	8.7	8.7	8.7	8.7	8.7
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°	3.5	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

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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