

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: P790766

Luminaire Tested: LER6D25D010-EC6DR3020359027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790766
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR3020359027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4683.2 lumens
Efficiency: N/A
Efficacy: 186.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
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

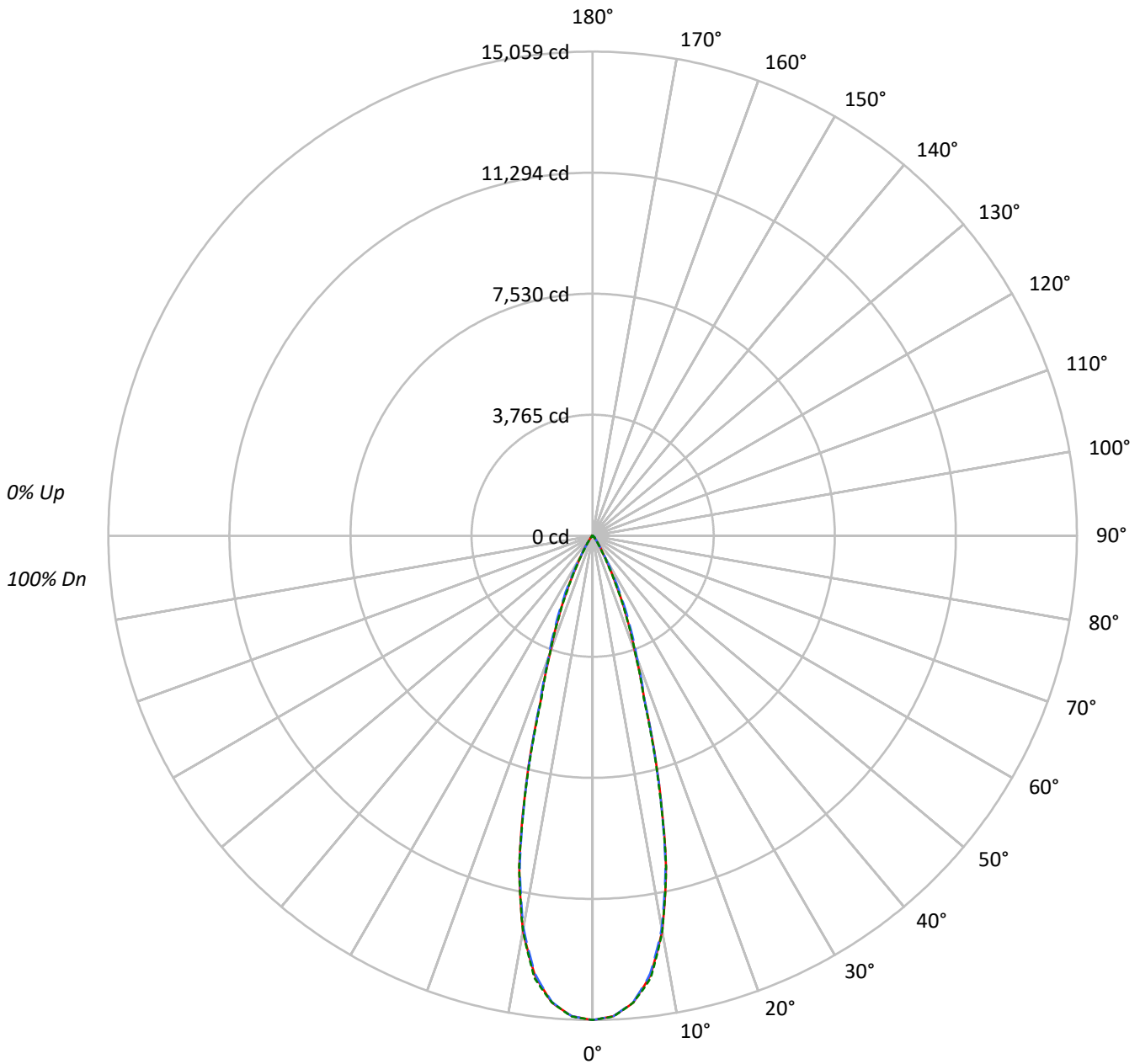


Downlight

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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1152644	1152644	1152644
5°	1119559	1118245	1119613
10°	969703	962863	969477
15°	632681	629289	626119
20°	314607	326410	314183
25°	158474	178710	155231
30°	63451	69135	55285
35°	29434	28182	23632
40°	12710	14109	11970
45°	8963	11128	9039
50°	3084	8097	3263
55°	1775	3350	1868
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 11128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1324.2	28.3
10°-20°	2132.6	45.5
20°-30°	921.6	19.7
30°-40°	210.0	4.5
40°-50°	72.1	1.5
50°-60°	17.6	0.4
60°-70°	4.6	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
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°	4378.4	93.5
0°-40°	4588.4	98.0
0°-60°	4678.1	99.9
0°-90°	4683.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4683.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15059	15059	15059	15059	15059	
5°	14571	14557	14554	14584	14572	1325
15°	7984	7888	7941	7915	7901	2138
25°	1876	1947	2116	1898	1838	898
35°	315	322	302	299	253	214
45°	83	103	103	103	84	59
55°	13	14	25	15	14	13
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15058.7	15058.7	15058.7	15058.7	15058.7
2.5°	14958.9	14948.6	14954.5	14961.9	14964.8
5°	14570.8	14556.7	14553.7	14584.1	14571.5
7.5°	13787.8	13767.8	13737.5	13806.3	13870.6
10°	12476.2	12454.0	12388.2	12420.8	12473.3
12.5°	10539.9	10468.2	10466.7	10570.2	10556.2
15°	7984.0	7887.9	7941.2	7915.3	7901.2
17.5°	5369.0	5332.1	5403.0	5381.6	5289.2
20°	3862.3	3871.9	4007.2	3939.2	3857.1
22.5°	2818.3	2853.1	3013.5	2838.3	2774.0
25°	1876.4	1947.4	2116.0	1897.9	1838.0
27.5°	1154.1	1186.6	1357.4	1139.3	1106.8
30°	717.9	701.6	782.2	671.3	625.5
32.5°	471.0	450.3	476.1	427.3	390.4
35°	315.0	321.6	301.6	299.4	252.9
37.5°	196.7	226.2	199.6	212.9	162.7
40°	127.2	164.1	141.2	156.0	119.8
42.5°	104.2	126.4	116.1	123.5	106.5
45°	82.8	102.8	102.8	102.8	83.5
47.5°	45.8	68.8	88.0	70.2	48.8
50°	25.9	34.7	68.0	36.2	27.4
52.5°	17.7	20.0	46.6	20.7	18.5
55°	13.3	14.0	25.1	14.8	14.0
57.5°	10.4	11.1	13.3	11.1	10.4
60°	8.1	8.1	9.6	8.9	8.1
62.5°	5.9	5.9	6.7	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	3.0	3.0	3.0	3.0
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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