

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: P773451

Luminaire Tested: LD6D90BD010-EU6DR3070959040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773451
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: LD6D90BD010-EU6DR3070959040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11281.9 lumens
Efficiency: N/A
Efficacy: 114.1 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): 98.9
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

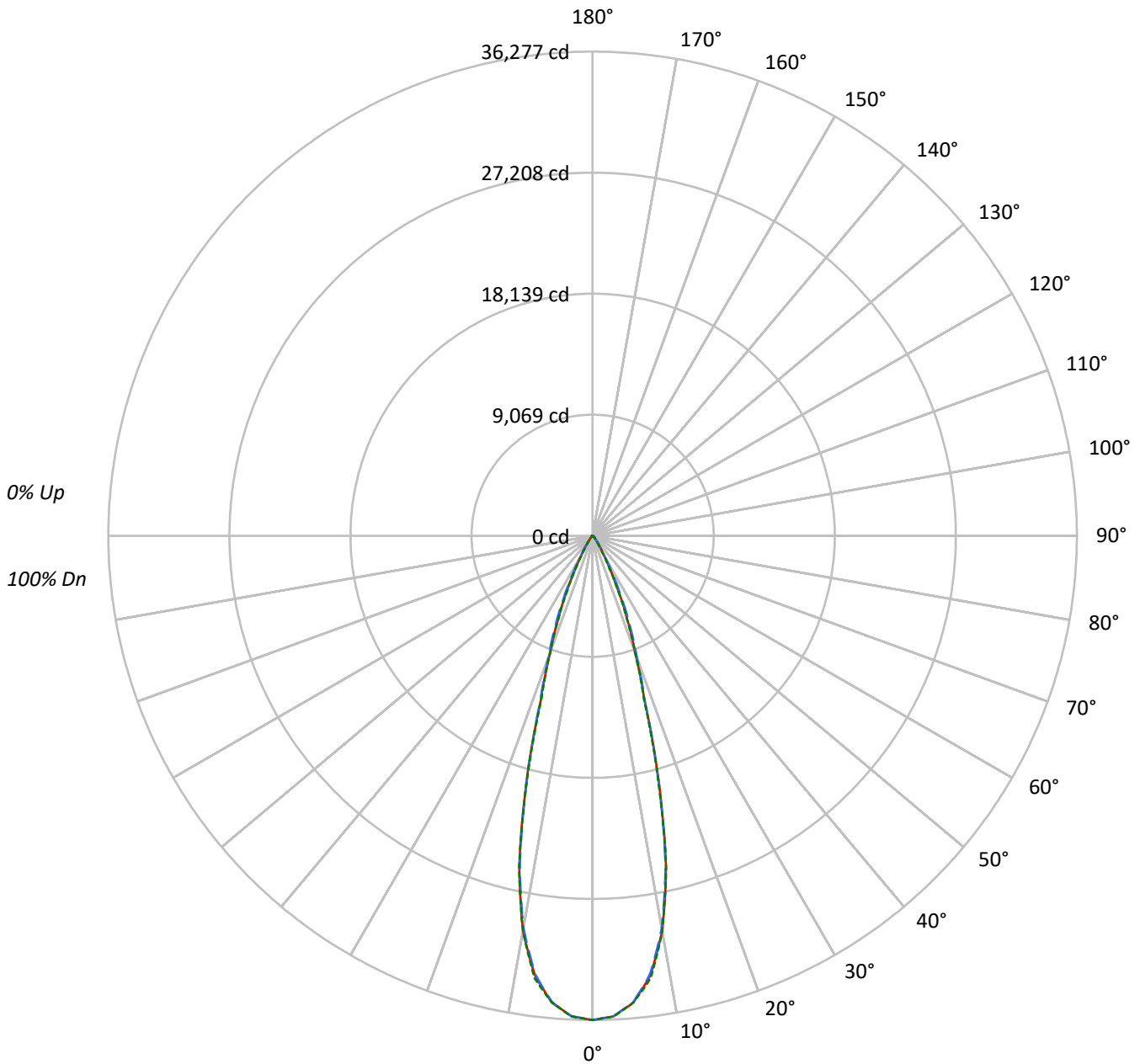


Downlight

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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																			
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°	2776757	2776757	2776757
5°	2697043	2693893	2697182
10°	2336048	2319578	2335496
15°	1524155	1515969	1508346
20°	757889	786325	756879
25°	381776	430508	373947
30°	152853	166552	133178
35°	70895	67904	56916
40°	30606	33993	28827
45°	21596	26802	21790
50°	7419	19517	7847
55°	4284	8087	4511
60°	3001	3552	3001
65°	1938	1938	1938
70°	1186	806	1186
75°	0	532	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 26802 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3190.0	28.3
10°-20°	5137.5	45.5
20°-30°	2220.1	19.7
30°-40°	506.0	4.5
40°-50°	173.7	1.5
50°-60°	42.4	0.4
60°-70°	11.0	0.1
70°-80°	1.2	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°	10547.6	93.5
0°-40°	11053.6	98.0
0°-60°	11269.8	99.9
0°-90°	11281.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11281.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	36277	36277	36277	36277	36277	
5°	35101	35068	35060	35133	35103	3193
15°	19234	19002	19130	19068	19034	5150
25°	4520	4691	5097	4572	4428	2164
35°	759	775	727	721	609	515
45°	200	248	248	248	201	142
55°	32	34	61	36	34	31
65°	11	11	11	11	11	10
75°	0	0	2	0	0	2
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°	36276.9	36276.9	36276.9	36276.9	36276.9
2.5°	36036.4	36011.5	36025.8	36043.6	36050.7
5°	35101.4	35067.5	35060.4	35133.4	35103.2
7.5°	33215.2	33167.1	33094.1	33259.8	33414.7
10°	30055.6	30002.2	29843.7	29922.0	30048.5
12.5°	25391.0	25218.2	25214.6	25464.0	25430.2
15°	19233.8	19002.3	19130.5	19068.2	19034.3
17.5°	12934.1	12845.1	13016.1	12964.4	12741.8
20°	9304.3	9327.5	9653.4	9489.6	9291.9
22.5°	6789.4	6873.2	7259.7	6837.5	6682.6
25°	4520.4	4691.3	5097.4	4572.0	4427.7
27.5°	2780.3	2858.6	3270.0	2744.6	2666.3
30°	1729.4	1690.2	1884.4	1617.2	1506.8
32.5°	1134.5	1084.7	1147.0	1029.5	940.4
35°	758.7	774.8	726.7	721.3	609.1
37.5°	473.8	545.0	480.9	512.9	391.8
40°	306.3	395.4	340.2	375.8	288.5
42.5°	251.1	304.6	279.6	297.4	256.5
45°	199.5	247.6	247.6	247.6	201.3
47.5°	110.4	165.6	211.9	169.2	117.6
50°	62.3	83.7	163.9	87.3	65.9
52.5°	42.7	48.1	112.2	49.9	44.5
55°	32.1	33.8	60.6	35.6	33.8
57.5°	24.9	26.7	32.1	26.7	24.9
60°	19.6	19.6	23.2	21.4	19.6
62.5°	14.2	14.2	16.0	14.2	14.2
65°	10.7	10.7	10.7	10.7	10.7
67.5°	5.3	7.1	7.1	7.1	7.1
70°	5.3	3.6	3.6	3.6	5.3
72.5°	3.6	1.8	1.8	1.8	1.8
75°	0.0	0.0	1.8	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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