

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: P758182

Luminaire Tested: LD6D05D010-EU6DR300210IC9035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758182
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: LD6D05D010-EU6DR300210IC9035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 681.6 lumens
Efficiency: N/A
Efficacy: 90.9 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): 7.5
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



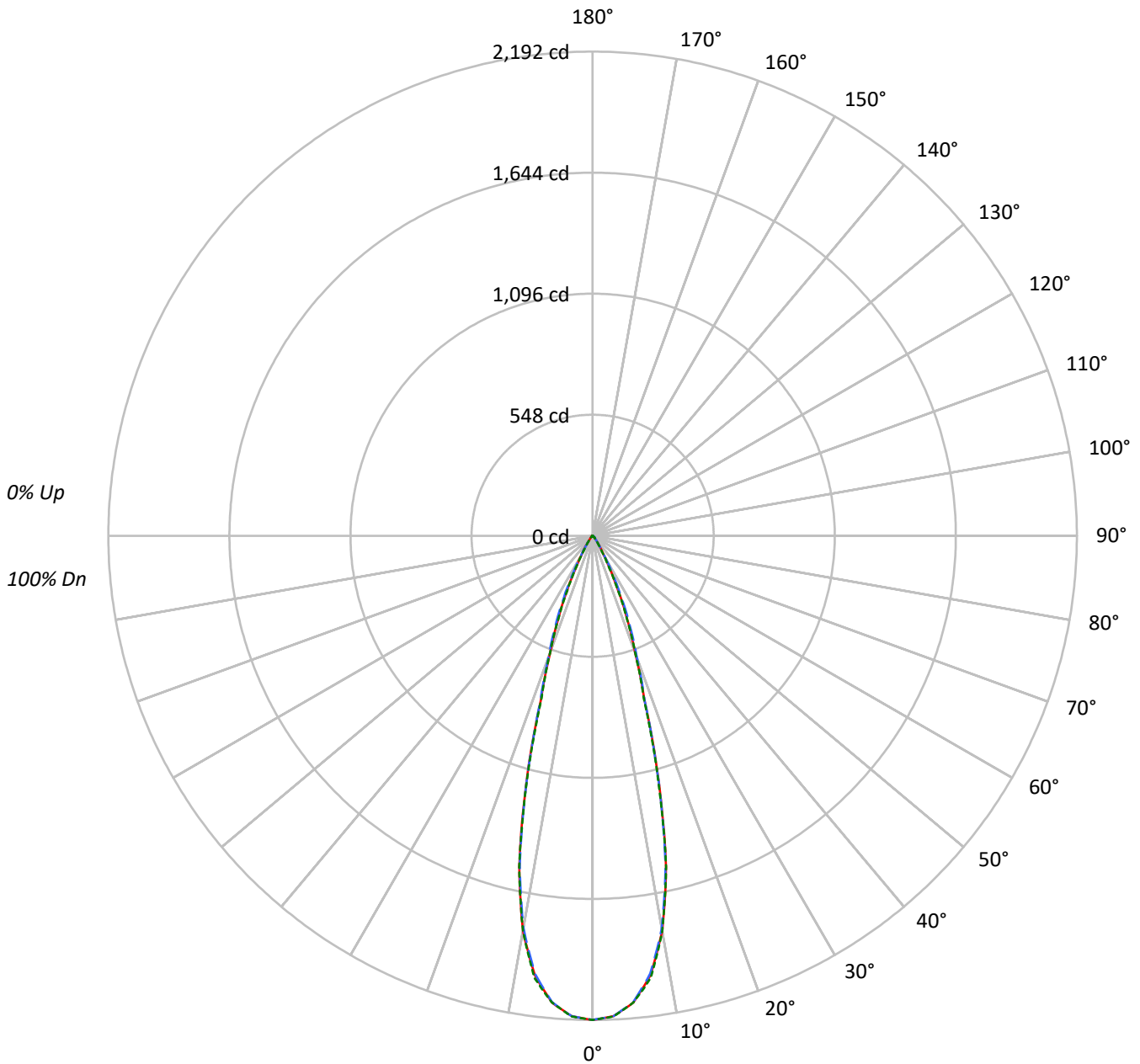
Downlight



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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°	167768	167768	167768
5°	162953	162761	162961
10°	141139	140145	141108
15°	92089	91590	91130
20°	45786	47513	45729
25°	23065	26013	22592
30°	9236	10058	8043
35°	4280	4102	3439
40°	1849	2058	1739
45°	1299	1624	1310
50°	453	1179	476
55°	254	494	280
60°	184	214	184
65°	109	109	109
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1624 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	28.3
10°-20°	310.4	45.5
20°-30°	134.1	19.7
30°-40°	30.6	4.5
40°-50°	10.5	1.5
50°-60°	2.6	0.4
60°-70°	0.7	0.1
70°-80°	0.1	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°	637.3	93.5
0°-40°	667.8	98.0
0°-60°	680.9	99.9
0°-90°	681.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2192	2192	2192	2192	2192	
5°	2121	2119	2118	2123	2121	193
15°	1162	1148	1156	1152	1150	311
25°	273	283	308	276	268	131
35°	46	47	44	44	37	31
45°	12	15	15	15	12	9
55°	2	2	4	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2191.8	2191.8	2191.8	2191.8	2191.8
2.5°	2177.3	2175.7	2176.6	2177.7	2178.1
5°	2120.8	2118.7	2118.3	2122.7	2120.9
7.5°	2006.8	2003.9	1999.5	2009.5	2018.8
10°	1815.9	1812.7	1803.1	1807.8	1815.5
12.5°	1534.1	1523.6	1523.4	1538.5	1536.4
15°	1162.1	1148.1	1155.8	1152.1	1150.0
17.5°	781.4	776.1	786.4	783.3	769.8
20°	562.1	563.6	583.3	573.4	561.4
22.5°	410.2	415.3	438.6	413.1	403.8
25°	273.1	283.4	308.0	276.2	267.5
27.5°	168.0	172.7	197.6	165.8	161.1
30°	104.5	102.1	113.8	97.7	91.0
32.5°	68.5	65.5	69.3	62.2	56.8
35°	45.8	46.8	43.9	43.6	36.8
37.5°	28.6	32.9	29.0	31.0	23.7
40°	18.5	23.9	20.6	22.7	17.4
42.5°	15.2	18.4	16.9	18.0	15.5
45°	12.0	15.0	15.0	15.0	12.1
47.5°	6.6	10.0	12.8	10.2	7.1
50°	3.8	5.0	9.9	5.3	4.0
52.5°	2.6	2.9	6.8	3.0	2.7
55°	1.9	2.1	3.7	2.2	2.1
57.5°	1.5	1.6	1.9	1.6	1.5
60°	1.2	1.2	1.4	1.3	1.2
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.5	0.5	0.5	0.5
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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

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— 0°-180° - - 45°-225° - - - - 90°-270°

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