

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: P760164

Luminaire Tested: LD6D10D010-EU6DR300210IC9024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760164
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: LD6D10D010-EU6DR300210IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 712.9 lumens
Efficiency: N/A
Efficacy: 60.9 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): 11.7
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



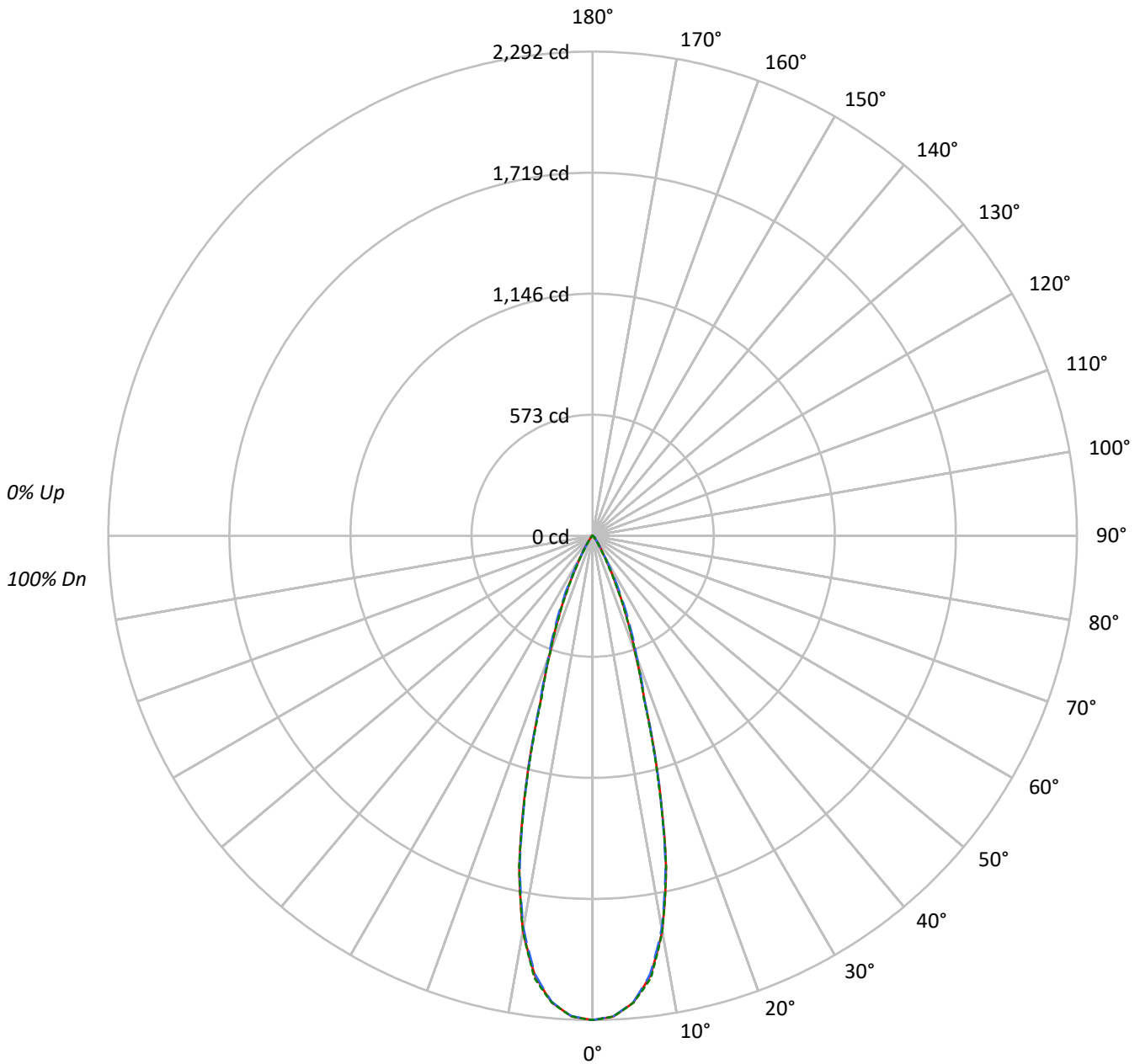
Downlight



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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°	175460	175460	175460
5°	170422	170222	170429
10°	147614	146572	147575
15°	96305	95790	95306
20°	47888	49688	47831
25°	24121	27203	23631
30°	9660	10527	8414
35°	4485	4289	3598
40°	1938	2148	1819
45°	1364	1689	1375
50°	476	1238	500
55°	267	507	280
60°	199	230	199
65°	127	127	127
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: 1689 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.6	28.3
10°-20°	324.6	45.5
20°-30°	140.3	19.7
30°-40°	32.0	4.5
40°-50°	11.0	1.5
50°-60°	2.7	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°	666.5	93.5
0°-40°	698.5	98.0
0°-60°	712.1	99.9
0°-90°	712.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2292	2292	2292	2292	2292	
5°	2218	2216	2215	2220	2218	202
15°	1215	1201	1209	1205	1203	325
25°	286	296	322	289	280	137
35°	48	49	46	46	38	33
45°	13	16	16	16	13	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°	2292.3	2292.3	2292.3	2292.3	2292.3
2.5°	2277.1	2275.5	2276.4	2277.5	2278.0
5°	2218.0	2215.8	2215.4	2220.0	2218.1
7.5°	2098.8	2095.8	2091.2	2101.6	2111.4
10°	1899.2	1895.8	1885.8	1890.7	1898.7
12.5°	1604.4	1593.5	1593.3	1609.0	1606.9
15°	1215.3	1200.7	1208.8	1204.9	1202.7
17.5°	817.3	811.6	822.5	819.2	805.1
20°	587.9	589.4	610.0	599.7	587.2
22.5°	429.0	434.3	458.7	432.1	422.3
25°	285.6	296.4	322.1	288.9	279.8
27.5°	175.7	180.7	206.6	173.4	168.5
30°	109.3	106.8	119.1	102.2	95.2
32.5°	71.7	68.5	72.5	65.0	59.4
35°	48.0	48.9	45.9	45.6	38.5
37.5°	29.9	34.4	30.4	32.4	24.8
40°	19.4	25.0	21.5	23.7	18.2
42.5°	15.9	19.3	17.6	18.8	16.2
45°	12.6	15.6	15.6	15.6	12.7
47.5°	7.0	10.5	13.4	10.7	7.4
50°	4.0	5.3	10.4	5.5	4.2
52.5°	2.7	3.0	7.1	3.2	2.8
55°	2.0	2.1	3.8	2.2	2.1
57.5°	1.5	1.7	2.0	1.7	1.5
60°	1.3	1.3	1.5	1.4	1.3
62.5°	0.9	0.9	1.0	0.9	0.9
65°	0.7	0.7	0.7	0.7	0.7
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

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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