

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: P758205

Luminaire Tested: LD6D05D010-EU6DR300210IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758205
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-EU6DR300210IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 682.8 lumens
Efficiency: N/A
Efficacy: 91.0 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

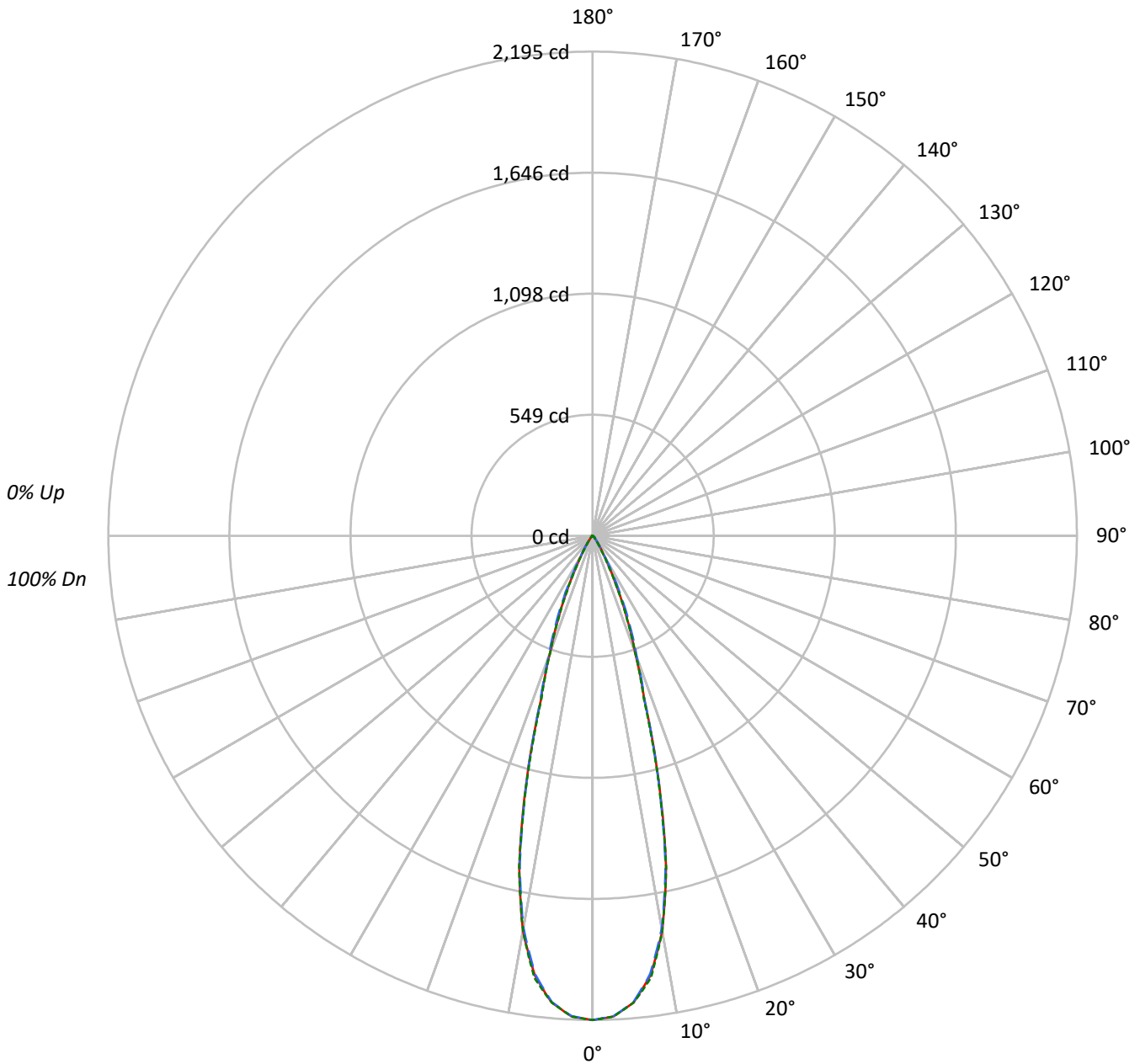


Downlight



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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	168043	168043	168043
5°	163222	163030	163230
10°	141373	140378	141341
15°	92239	91748	91281
20°	45868	47586	45811
25°	23107	26055	22634
30°	9254	10076	8061
35°	4289	4111	3439
40°	1859	2058	1749
45°	1310	1624	1321
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°	193.1	28.3
10°-20°	310.9	45.5
20°-30°	134.4	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°	638.3	93.5
0°-40°	669.0	98.0
0°-60°	682.0	99.9
0°-90°	682.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2124	2122	2122	2126	2124	193
15°	1164	1150	1158	1154	1152	312
25°	274	284	308	277	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°	2195.4	2195.4	2195.4	2195.4	2195.4
2.5°	2180.9	2179.4	2180.2	2181.3	2181.7
5°	2124.3	2122.3	2121.8	2126.2	2124.4
7.5°	2010.1	2007.3	2002.8	2012.8	2022.2
10°	1818.9	1815.7	1806.1	1810.9	1818.5
12.5°	1536.7	1526.2	1526.0	1541.1	1539.0
15°	1164.0	1150.0	1157.8	1154.0	1151.9
17.5°	782.8	777.4	787.8	784.6	771.1
20°	563.1	564.5	584.2	574.3	562.4
22.5°	410.9	416.0	439.3	413.8	404.4
25°	273.6	283.9	308.5	276.7	268.0
27.5°	168.3	173.0	197.9	166.1	161.3
30°	104.7	102.3	114.0	97.9	91.2
32.5°	68.6	65.7	69.4	62.3	56.9
35°	45.9	46.9	44.0	43.7	36.8
37.5°	28.6	33.0	29.1	31.1	23.7
40°	18.6	23.9	20.6	22.7	17.5
42.5°	15.2	18.4	16.9	18.0	15.5
45°	12.1	15.0	15.0	15.0	12.2
47.5°	6.7	10.0	12.8	10.3	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

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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