

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: P758140

Luminaire Tested: LD6D05D010-EU6DR300210IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758140
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-EU6DR300210IC9024-6LBS1B
Description: 6 INCH ROUND SHALLOW 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: 555.6 lumens
Efficiency: N/A
Efficacy: 74.1 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): 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

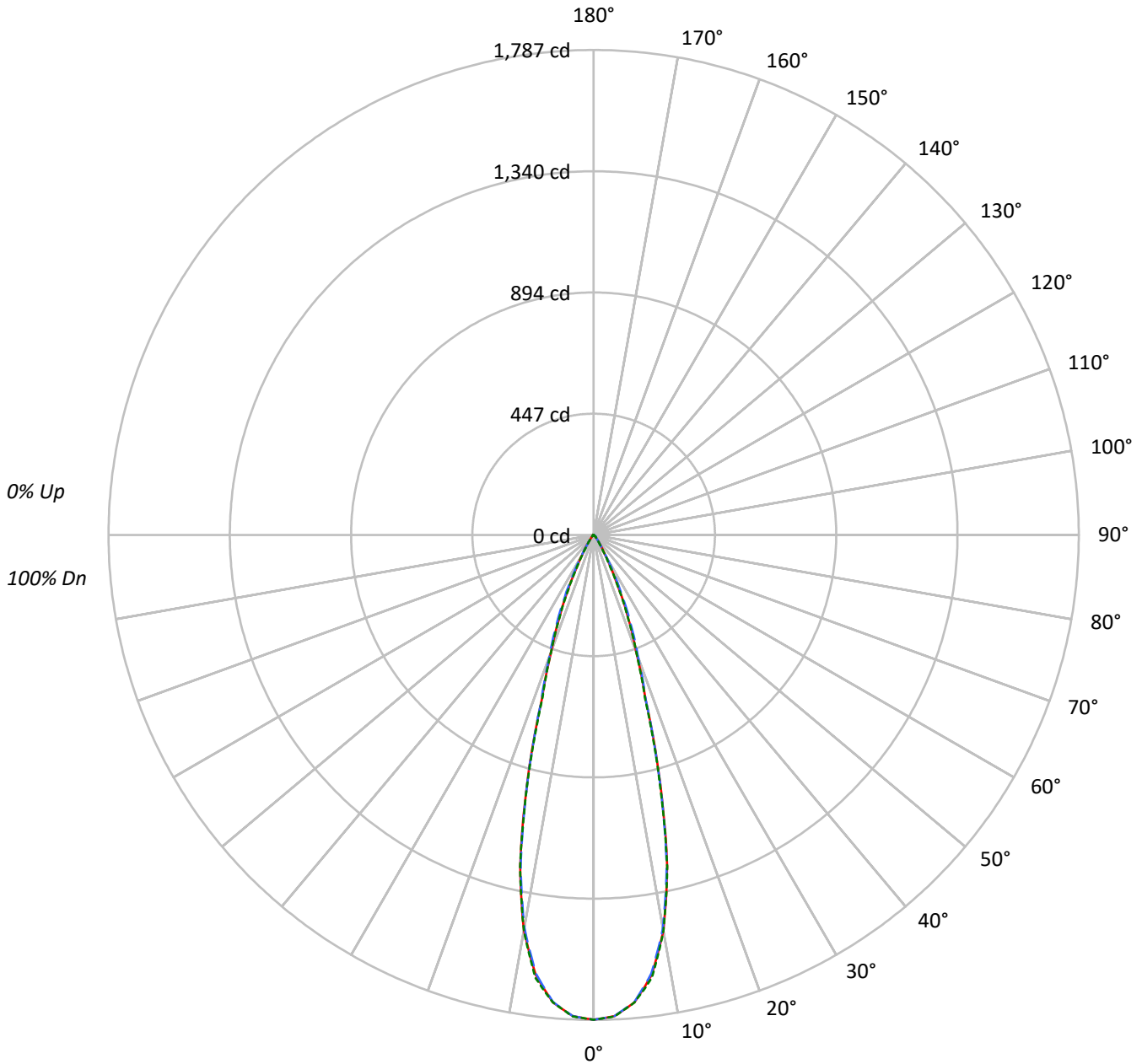


Downlight



TEST NUMBER: P758140
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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°	136752	136752	136752
5°	132826	132672	132834
10°	115047	114239	115024
15°	75067	74663	74283
20°	37323	38724	37274
25°	18800	21207	18420
30°	7530	8202	6558
35°	3495	3345	2803
40°	1509	1669	1419
45°	1061	1321	1072
50°	369	965	393
55°	214	400	227
60°	153	168	153
65°	91	91	91
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: 1321 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	28.3
10°-20°	253.0	45.5
20°-30°	109.3	19.7
30°-40°	24.9	4.5
40°-50°	8.6	1.5
50°-60°	2.1	0.4
60°-70°	0.5	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°	519.5	93.5
0°-40°	544.4	98.0
0°-60°	555.0	99.9
0°-90°	555.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	555.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1787	1787	1787	1787	1787	
5°	1729	1727	1727	1730	1729	157
15°	947	936	942	939	937	254
25°	223	231	251	225	218	107
35°	37	38	36	36	30	25
45°	10	12	12	12	10	7
55°	2	2	3	2	2	2
65°	0	0	0	0	0	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°	1786.6	1786.6	1786.6	1786.6	1786.6
2.5°	1774.8	1773.6	1774.3	1775.1	1775.5
5°	1728.7	1727.0	1726.7	1730.3	1728.8
7.5°	1635.8	1633.5	1629.9	1638.0	1645.6
10°	1480.2	1477.6	1469.8	1473.6	1479.9
12.5°	1250.5	1242.0	1241.8	1254.1	1252.4
15°	947.3	935.9	942.2	939.1	937.4
17.5°	637.0	632.6	641.0	638.5	627.6
20°	458.2	459.4	475.4	467.4	457.6
22.5°	334.4	338.5	357.5	336.7	329.1
25°	222.6	231.1	251.1	225.2	218.1
27.5°	136.9	140.8	161.1	135.2	131.3
30°	85.2	83.2	92.8	79.6	74.2
32.5°	55.9	53.4	56.5	50.7	46.3
35°	37.4	38.2	35.8	35.5	30.0
37.5°	23.3	26.8	23.7	25.3	19.3
40°	15.1	19.5	16.7	18.5	14.2
42.5°	12.4	15.0	13.8	14.7	12.6
45°	9.8	12.2	12.2	12.2	9.9
47.5°	5.4	8.1	10.4	8.3	5.8
50°	3.1	4.1	8.1	4.3	3.3
52.5°	2.1	2.3	5.5	2.5	2.2
55°	1.6	1.7	3.0	1.8	1.7
57.5°	1.2	1.3	1.6	1.3	1.2
60°	1.0	1.0	1.1	1.0	1.0
62.5°	0.7	0.7	0.8	0.7	0.7
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.3	0.3	0.3	0.3	0.3
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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