

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: P758188

Luminaire Tested: LD6D05D010-EU6DR300210IC9040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758188
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-EU6DR300210IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 563.6 lumens
Efficiency: N/A
Efficacy: 75.1 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

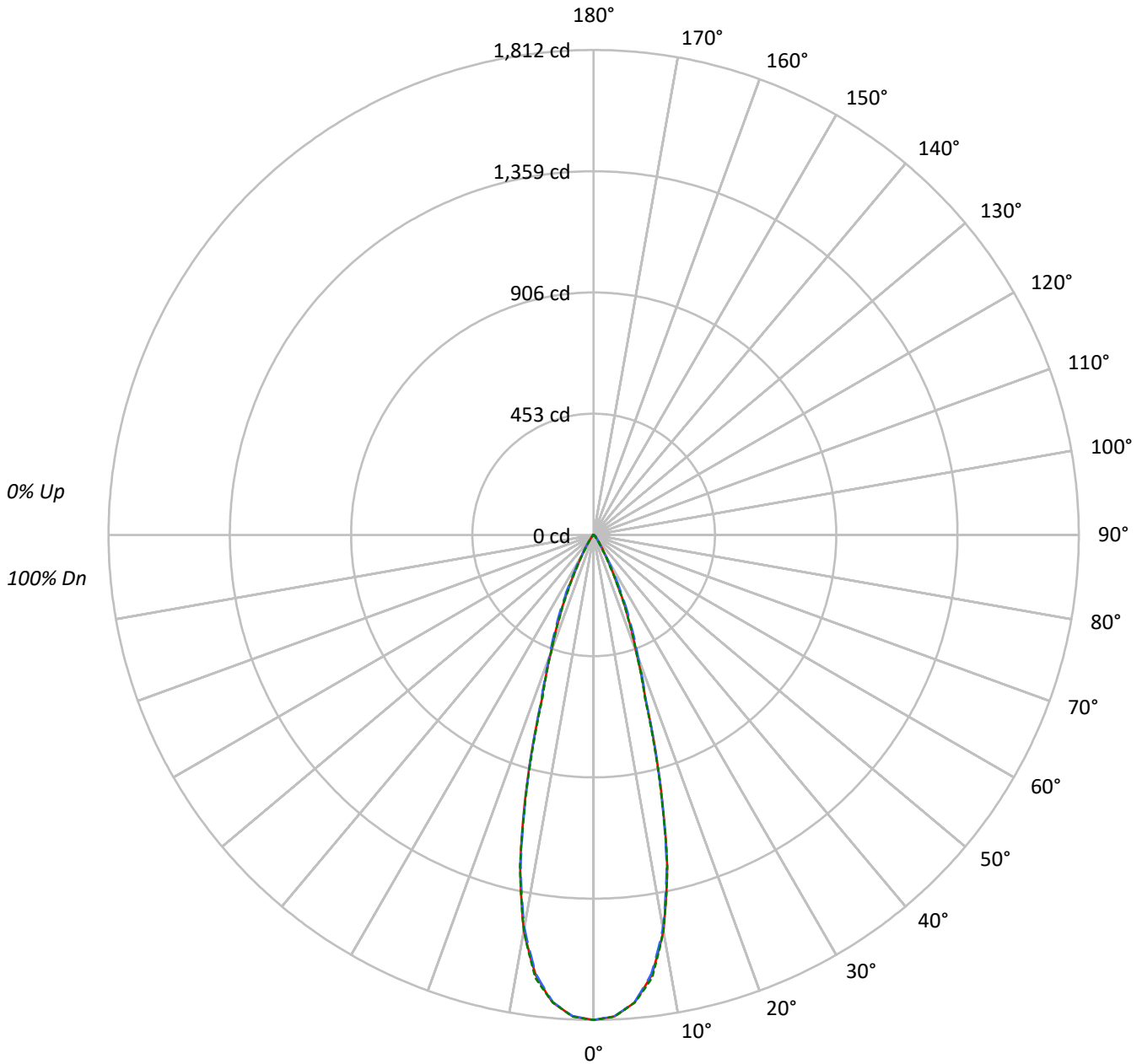


Downlight



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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°	138720	138720	138720
5°	134739	134586	134747
10°	116703	115879	116680
15°	76145	75733	75353
20°	37861	39286	37812
25°	19079	21511	18682
30°	7636	8317	6655
35°	3541	3392	2841
40°	1529	1699	1439
45°	1082	1342	1082
50°	369	976	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: 1342 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	28.3
10°-20°	256.7	45.5
20°-30°	110.9	19.7
30°-40°	25.3	4.5
40°-50°	8.7	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°	526.9	93.5
0°-40°	552.2	98.0
0°-60°	563.0	99.9
0°-90°	563.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	563.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1812	1812	1812	1812	1812	
5°	1754	1752	1752	1755	1754	159
15°	961	949	956	953	951	257
25°	226	234	255	228	221	108
35°	38	39	36	36	30	26
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°	1812.3	1812.3	1812.3	1812.3	1812.3
2.5°	1800.3	1799.1	1799.8	1800.7	1801.0
5°	1753.6	1751.9	1751.6	1755.2	1753.7
7.5°	1659.4	1657.0	1653.3	1661.6	1669.3
10°	1501.5	1498.8	1490.9	1494.8	1501.2
12.5°	1268.5	1259.9	1259.7	1272.1	1270.5
15°	960.9	949.3	955.7	952.6	950.9
17.5°	646.2	641.7	650.2	647.7	636.5
20°	464.8	466.0	482.3	474.1	464.2
22.5°	339.2	343.4	362.7	341.6	333.9
25°	225.9	234.4	254.7	228.4	221.2
27.5°	138.9	142.8	163.3	137.1	133.2
30°	86.4	84.5	94.1	80.8	75.3
32.5°	56.7	54.2	57.3	51.5	47.0
35°	37.9	38.7	36.3	36.0	30.4
37.5°	23.7	27.2	24.0	25.6	19.6
40°	15.3	19.8	17.0	18.8	14.4
42.5°	12.5	15.2	14.0	14.8	12.8
45°	10.0	12.4	12.4	12.4	10.0
47.5°	5.5	8.3	10.6	8.5	5.8
50°	3.1	4.2	8.2	4.4	3.3
52.5°	2.1	2.4	5.6	2.5	2.2
55°	1.6	1.7	3.0	1.8	1.7
57.5°	1.3	1.3	1.6	1.3	1.3
60°	1.0	1.0	1.1	1.1	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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