

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: P757162

Luminaire Tested: LD6D02D010-EU6DR300210IC9035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757162
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: LD6D02D010-EU6DR300210IC9035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 373.6 lumens
Efficiency: N/A
Efficacy: 73.3 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): 5.1
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



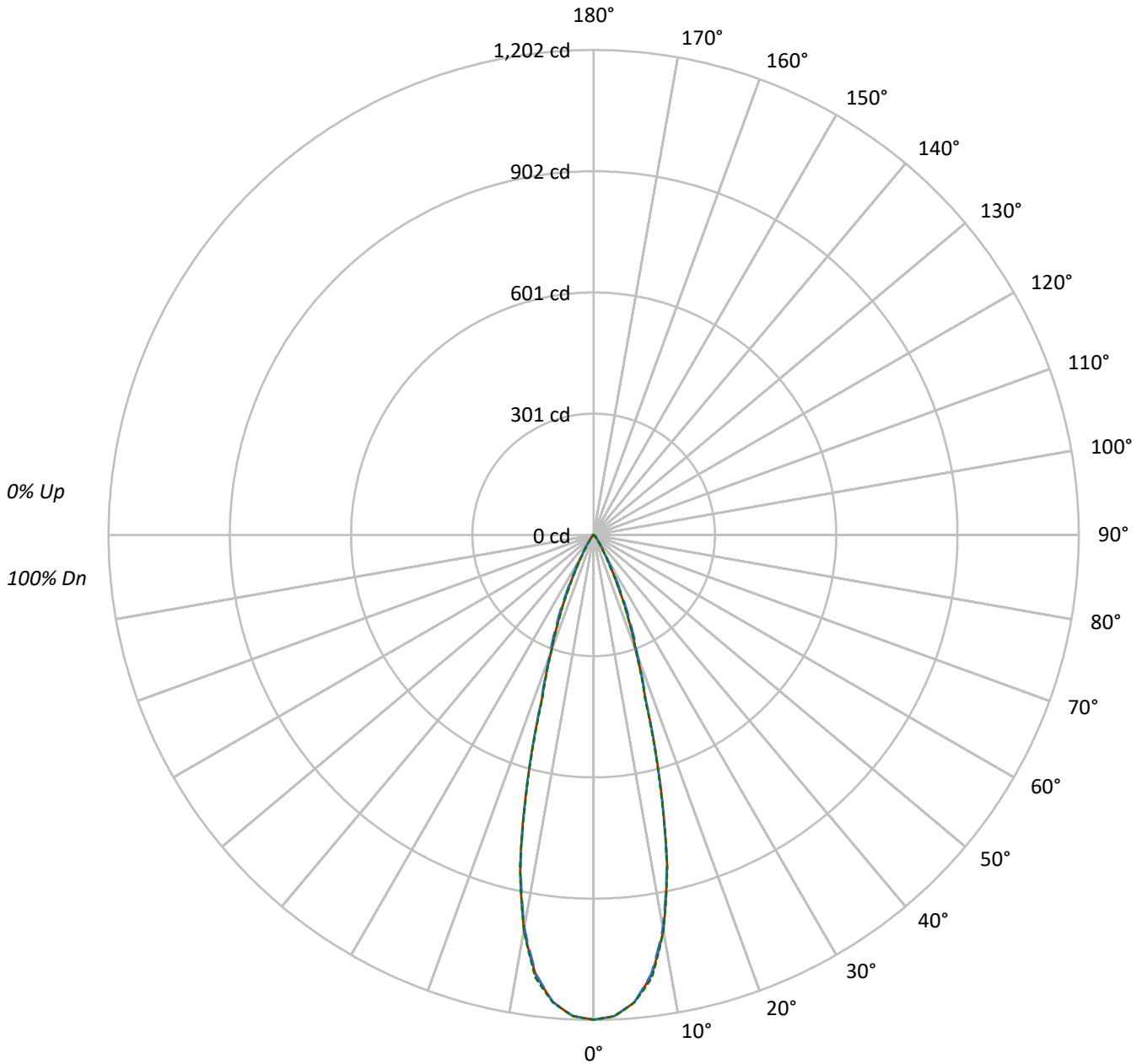
Downlight



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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	87	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°	91967	91967	91967
5°	89322	89222	89329
10°	77367	76823	77351
15°	50478	50209	49955
20°	25097	26041	25064
25°	12643	14256	12381
30°	5064	5515	4410
35°	2355	2252	1888
40°	1009	1129	959
45°	714	888	714
50°	250	643	262
55°	147	267	147
60°	92	107	92
65°	54	54	54
70°	45	22	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 888 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	28.3
10°-20°	170.2	45.5
20°-30°	73.5	19.7
30°-40°	16.8	4.5
40°-50°	5.8	1.5
50°-60°	1.4	0.4
60°-70°	0.3	0.1
70°-80°	0.0	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°	349.3	93.5
0°-40°	366.1	98.0
0°-60°	373.3	99.9
0°-90°	373.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	373.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1202	1202	1202	1202	1202	
5°	1162	1161	1161	1164	1163	106
15°	637	629	634	632	630	171
25°	150	155	169	151	147	72
35°	25	26	24	24	20	17
45°	7	8	8	8	7	5
55°	1	1	2	1	1	1
65°	0	0	0	0	0	0
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°	1201.5	1201.5	1201.5	1201.5	1201.5
2.5°	1193.5	1192.7	1193.2	1193.7	1194.0
5°	1162.5	1161.4	1161.2	1163.6	1162.6
7.5°	1100.1	1098.5	1096.1	1101.6	1106.7
10°	995.4	993.7	988.4	991.0	995.2
12.5°	840.9	835.2	835.1	843.4	842.2
15°	637.0	629.3	633.6	631.5	630.4
17.5°	428.4	425.4	431.1	429.4	422.0
20°	308.1	308.9	319.7	314.3	307.7
22.5°	224.9	227.6	240.4	226.4	221.3
25°	149.7	155.4	168.8	151.4	146.6
27.5°	92.1	94.7	108.3	90.9	88.3
30°	57.3	56.0	62.4	53.6	49.9
32.5°	37.6	35.9	38.0	34.1	31.2
35°	25.2	25.7	24.1	23.9	20.2
37.5°	15.7	18.0	15.9	17.0	13.0
40°	10.1	13.1	11.3	12.4	9.6
42.5°	8.3	10.1	9.3	9.9	8.5
45°	6.6	8.2	8.2	8.2	6.6
47.5°	3.7	5.5	7.0	5.6	3.9
50°	2.1	2.8	5.4	2.9	2.2
52.5°	1.4	1.6	3.7	1.7	1.5
55°	1.1	1.1	2.0	1.2	1.1
57.5°	0.8	0.9	1.1	0.9	0.8
60°	0.6	0.6	0.7	0.7	0.6
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.1	0.1	0.1	0.2
72.5°	0.1	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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