

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: P758163

Luminaire Tested: LD6D05D010-EU6DR300210IC9030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758163
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-EU6DR300210IC9030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 645.3 lumens
Efficiency: N/A
Efficacy: 86.0 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



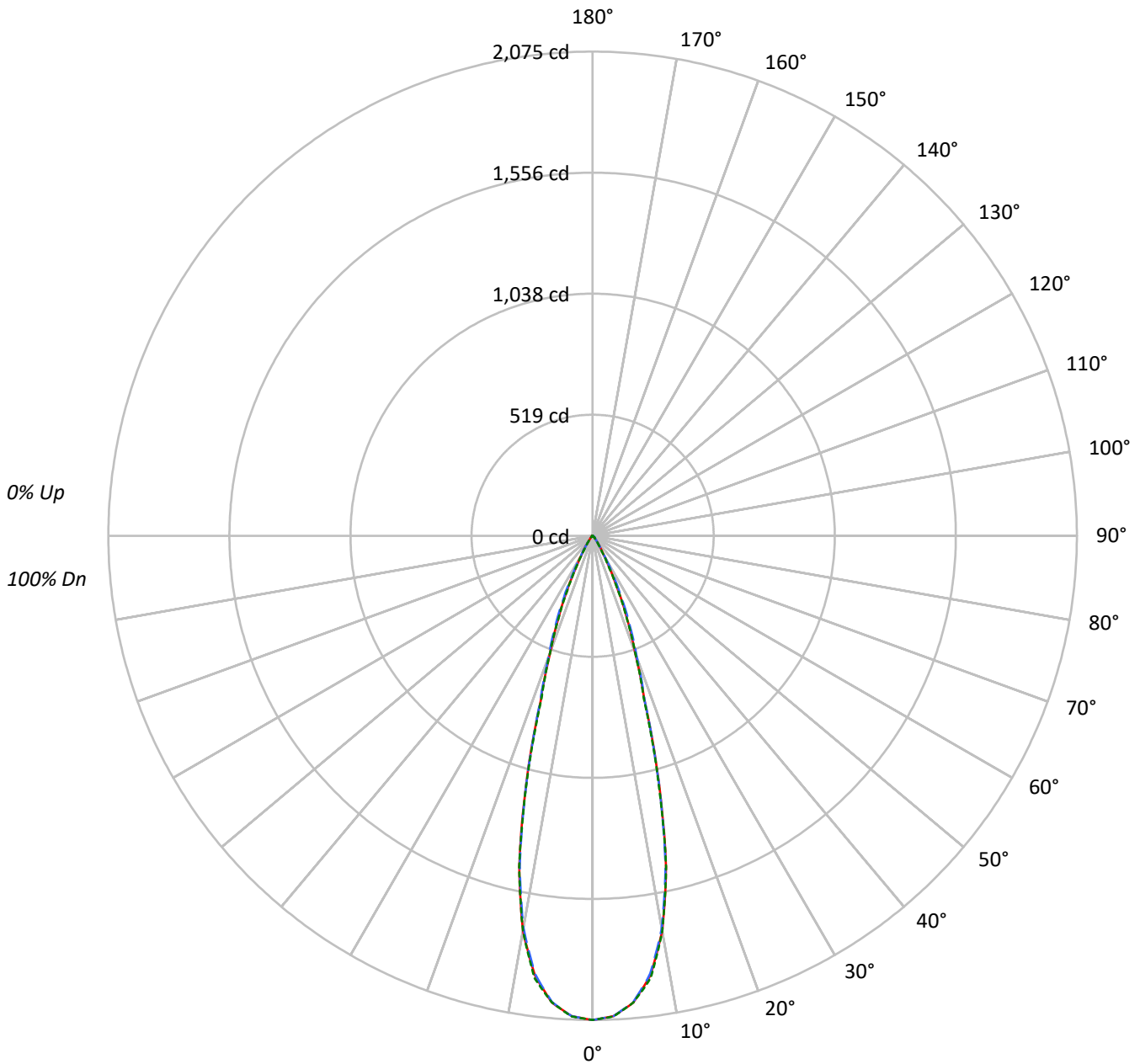
Downlight



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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	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°	158828	158828	158828
5°	154263	154086	154271
10°	133616	132675	133585
15°	87176	86708	86272
20°	43351	44980	43294
25°	21840	24627	21384
30°	8741	9528	7619
35°	4055	3878	3252
40°	1749	1948	1649
45°	1234	1537	1245
50°	429	1119	453
55°	240	454	254
60°	168	199	168
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: 1537 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.5	28.3
10°-20°	293.9	45.5
20°-30°	127.0	19.7
30°-40°	28.9	4.5
40°-50°	9.9	1.5
50°-60°	2.4	0.4
60°-70°	0.6	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°	603.3	93.5
0°-40°	632.3	98.0
0°-60°	644.6	99.9
0°-90°	645.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2075	2075	2075	2075	2075	
5°	2008	2006	2005	2010	2008	183
15°	1100	1087	1094	1091	1089	295
25°	259	268	292	262	253	124
35°	43	44	42	41	35	29
45°	11	14	14	14	12	8
55°	2	2	3	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°	2075.0	2075.0	2075.0	2075.0	2075.0
2.5°	2061.2	2059.8	2060.6	2061.6	2062.0
5°	2007.7	2005.8	2005.4	2009.6	2007.8
7.5°	1899.8	1897.1	1892.9	1902.4	1911.2
10°	1719.1	1716.1	1707.0	1711.5	1718.7
12.5°	1452.3	1442.5	1442.2	1456.5	1454.6
15°	1100.1	1086.9	1094.2	1090.7	1088.7
17.5°	739.8	734.7	744.5	741.6	728.8
20°	532.2	533.5	552.2	542.8	531.5
22.5°	388.3	393.2	415.2	391.1	382.2
25°	258.6	268.3	291.6	261.5	253.2
27.5°	159.1	163.5	187.1	157.0	152.5
30°	98.9	96.7	107.8	92.5	86.2
32.5°	64.9	62.1	65.6	58.9	53.8
35°	43.4	44.3	41.5	41.3	34.8
37.5°	27.1	31.2	27.5	29.3	22.4
40°	17.5	22.6	19.5	21.5	16.5
42.5°	14.4	17.4	16.0	17.0	14.7
45°	11.4	14.2	14.2	14.2	11.5
47.5°	6.3	9.5	12.1	9.7	6.7
50°	3.6	4.8	9.4	5.0	3.8
52.5°	2.5	2.8	6.4	2.9	2.5
55°	1.8	1.9	3.4	2.1	1.9
57.5°	1.4	1.5	1.8	1.5	1.4
60°	1.1	1.1	1.3	1.2	1.1
62.5°	0.8	0.8	0.9	0.8	0.8
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.4	0.4	0.4	0.4
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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