

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: P771093

Luminaire Tested: LD6D75BD010-EU6DR3070959035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771093
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: LD6D75BD010-EU6DR3070959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 8839.7 lumens
Efficiency: N/A
Efficacy: 122.1 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): 72.4
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

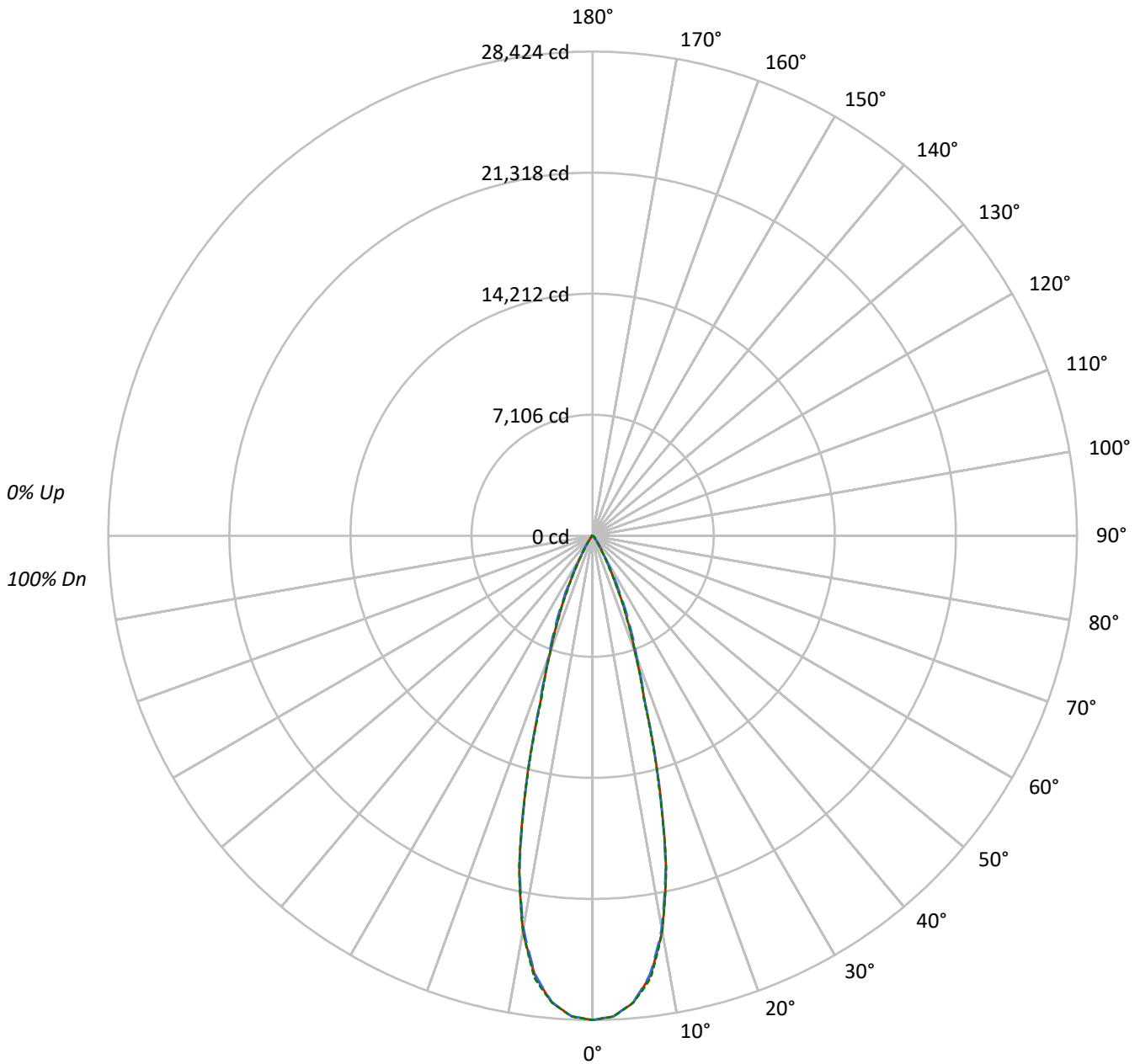


Downlight

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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																			
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°	2175669	2175669	2175669
5°	2113207	2110740	2113314
10°	1830358	1817456	1829923
15°	1194216	1187805	1181830
20°	593829	616107	593031
25°	299127	337318	293004
30°	119770	130500	104347
35°	55551	53206	44600
40°	23981	26629	22592
45°	16919	21000	17071
50°	5811	15290	6145
55°	3350	6325	3536
60°	2358	2771	2358
65°	1521	1521	1521
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 21000 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2499.5	28.3
10°-20°	4025.4	45.5
20°-30°	1739.5	19.7
30°-40°	396.5	4.5
40°-50°	136.1	1.5
50°-60°	33.2	0.4
60°-70°	8.6	0.1
70°-80°	0.9	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°	8264.3	93.5
0°-40°	8660.8	98.0
0°-60°	8830.2	99.9
0°-90°	8839.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8839.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28424	28424	28424	28424	28424	
5°	27503	27476	27471	27528	27504	2502
15°	15070	14889	14989	14940	14914	4035
25°	3542	3676	3994	3582	3469	1695
35°	594	607	569	565	477	403
45°	156	194	194	194	158	111
55°	25	26	47	28	26	24
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28424.0	28424.0	28424.0	28424.0	28424.0
2.5°	28235.6	28216.1	28227.2	28241.2	28246.8
5°	27502.9	27476.4	27470.8	27528.1	27504.3
7.5°	26025.1	25987.4	25930.2	26060.0	26181.4
10°	23549.4	23507.6	23383.4	23444.8	23543.8
12.5°	19894.6	19759.2	19756.4	19951.8	19925.3
15°	15070.2	14888.8	14989.3	14940.5	14913.9
17.5°	10134.3	10064.5	10198.5	10158.0	9983.6
20°	7290.2	7308.3	7563.7	7435.3	7280.4
22.5°	5319.7	5385.3	5688.1	5357.4	5236.0
25°	3541.8	3675.8	3994.0	3582.3	3469.3
27.5°	2178.4	2239.8	2562.2	2150.5	2089.1
30°	1355.1	1324.3	1476.5	1267.1	1180.6
32.5°	888.9	849.9	898.7	806.6	736.8
35°	594.5	607.1	569.4	565.2	477.3
37.5°	371.2	427.0	376.8	401.9	307.0
40°	240.0	309.8	266.5	294.5	226.1
42.5°	196.8	238.6	219.1	233.1	201.0
45°	156.3	194.0	194.0	194.0	157.7
47.5°	86.5	129.8	166.1	132.6	92.1
50°	48.8	65.6	128.4	68.4	51.6
52.5°	33.5	37.7	87.9	39.1	34.9
55°	25.1	26.5	47.4	27.9	26.5
57.5°	19.5	20.9	25.1	20.9	19.5
60°	15.4	15.4	18.1	16.7	15.4
62.5°	11.2	11.2	12.6	11.2	11.2
65°	8.4	8.4	8.4	8.4	8.4
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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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