

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: P771058

Luminaire Tested: LD6D75BD010-EU6DR3070959024-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771058
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-EU6DR3070959024-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7890.2 lumens
Efficiency: N/A
Efficacy: 109.0 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): 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

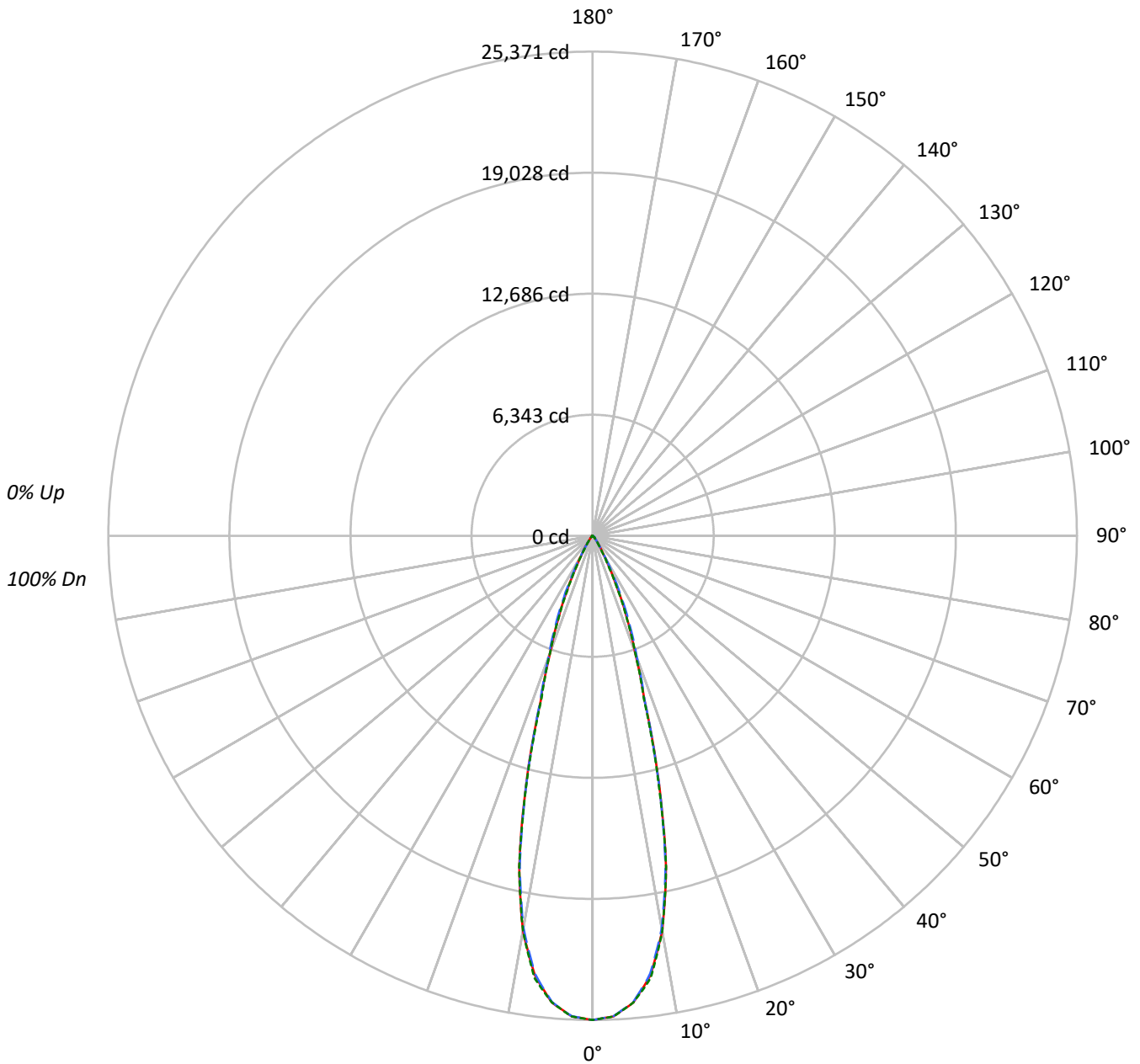


Downlight

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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	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°	1941975	1941975	1941975
5°	1886218	1884021	1886318
10°	1633755	1622236	1633366
15°	1065945	1060215	1054890
20°	530041	549932	529332
25°	267000	301087	261527
30°	106901	116482	93140
35°	49580	47487	39806
40°	21403	23771	20164
45°	15101	18738	15241
50°	5192	13647	5490
55°	2989	5658	3163
60°	2097	2480	2097
65°	1358	1358	1358
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 18738 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2231.0	28.3
10°-20°	3593.0	45.5
20°-30°	1552.6	19.7
30°-40°	353.9	4.5
40°-50°	121.5	1.5
50°-60°	29.7	0.4
60°-70°	7.7	0.1
70°-80°	0.8	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°	7376.6	93.5
0°-40°	7730.5	98.0
0°-60°	7881.7	99.9
0°-90°	7890.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7890.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25371	25371	25371	25371	25371	
5°	24549	24525	24520	24571	24550	2233
15°	13452	13290	13379	13336	13312	3602
25°	3161	3281	3565	3198	3097	1513
35°	531	542	508	504	426	360
45°	140	173	173	173	141	99
55°	22	24	42	25	24	22
65°	8	8	8	8	8	7
75°	0	0	1	0	0	1
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°	25370.9	25370.9	25370.9	25370.9	25370.9
2.5°	25202.7	25185.3	25195.2	25207.7	25212.7
5°	24548.7	24525.1	24520.1	24571.2	24550.0
7.5°	23229.6	23196.0	23144.9	23260.8	23369.1
10°	21019.9	20982.5	20871.7	20926.5	21014.9
12.5°	17757.6	17636.8	17634.3	17808.7	17785.0
15°	13451.5	13289.6	13379.2	13335.6	13312.0
17.5°	9045.7	8983.4	9103.0	9066.9	8911.2
20°	6507.1	6523.3	6751.3	6636.7	6498.4
22.5°	4748.3	4806.9	5077.2	4781.9	4673.6
25°	3161.4	3281.0	3565.0	3197.5	3096.6
27.5°	1944.4	1999.2	2287.0	1919.5	1864.7
30°	1209.5	1182.1	1317.9	1131.0	1053.8
32.5°	793.5	758.6	802.2	720.0	657.7
35°	530.6	541.8	508.2	504.5	426.0
37.5°	331.3	381.2	336.3	358.7	274.0
40°	214.2	276.5	237.9	262.8	201.8
42.5°	175.6	213.0	195.6	208.0	179.4
45°	139.5	173.1	173.1	173.1	140.8
47.5°	77.2	115.8	148.2	118.3	82.2
50°	43.6	58.5	114.6	61.0	46.1
52.5°	29.9	33.6	78.5	34.9	31.1
55°	22.4	23.7	42.4	24.9	23.7
57.5°	17.4	18.7	22.4	18.7	17.4
60°	13.7	13.7	16.2	14.9	13.7
62.5°	10.0	10.0	11.2	10.0	10.0
65°	7.5	7.5	7.5	7.5	7.5
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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