

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P758194

Luminaire Tested: LD6D05D010-EU6DR300210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758194
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-EU6DR300210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 773.7 lumens
Efficiency: N/A
Efficacy: 103.2 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 (Ain): 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



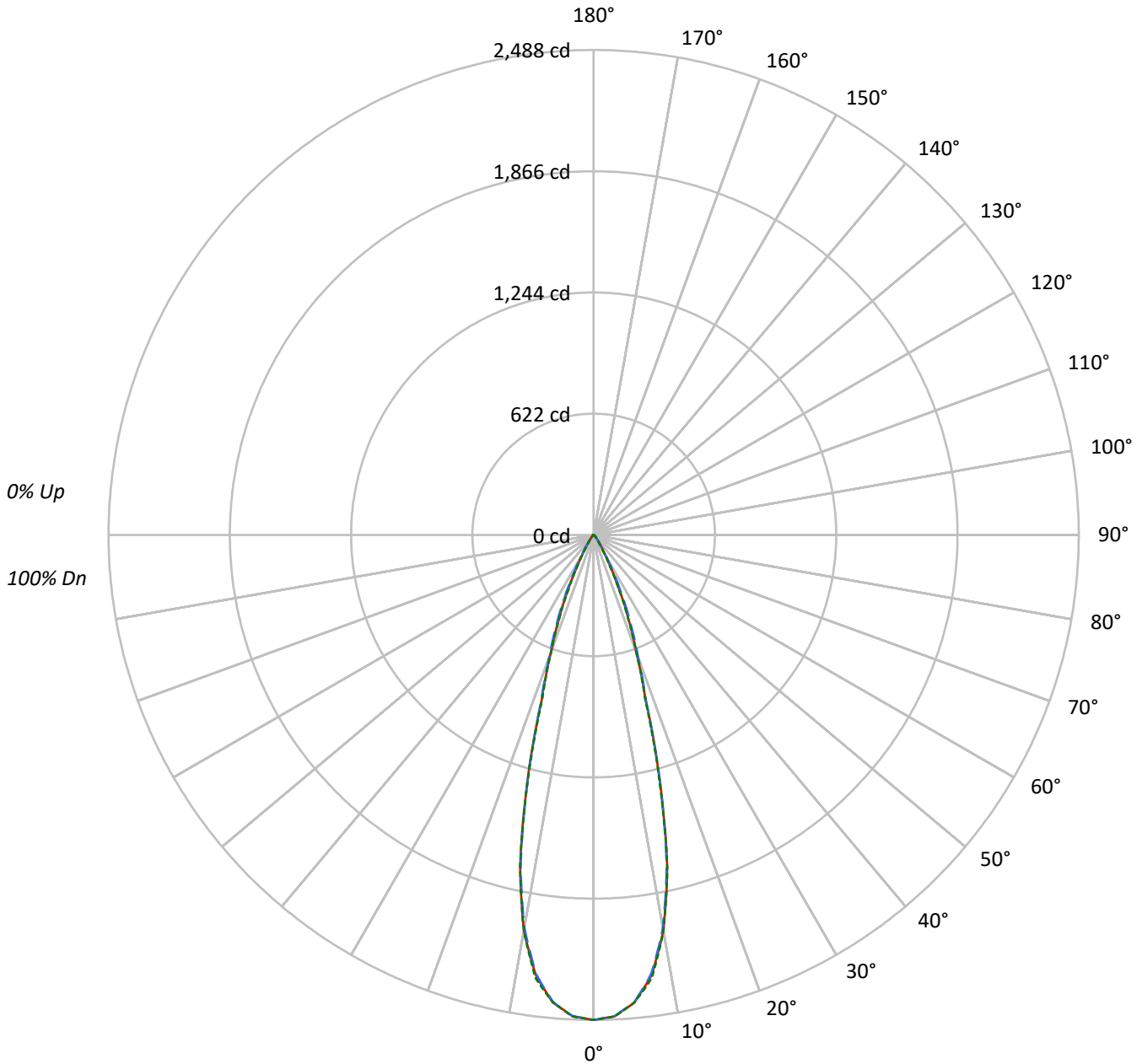
Downlight



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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°	190440	190440	190440
5°	184974	184759	184982
10°	160221	159086	160174
15°	104538	103975	103452
20°	51985	53932	51912
25°	26181	29526	25649
30°	10482	11428	9139
35°	4859	4653	3906
40°	2098	2328	1978
45°	1483	1840	1494
50°	512	1334	536
55°	294	547	307
60°	199	245	199
65°	127	127	127
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: 1840 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.8	28.3
10°-20°	352.4	45.5
20°-30°	152.3	19.7
30°-40°	34.7	4.5
40°-50°	11.9	1.5
50°-60°	2.9	0.4
60°-70°	0.7	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°	723.4	93.5
0°-40°	758.1	98.0
0°-60°	772.9	99.9
0°-90°	773.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2488	2488	2488	2488	2488	
5°	2407	2405	2405	2410	2408	219
15°	1319	1303	1312	1308	1306	353
25°	310	322	350	314	304	148
35°	52	53	50	49	42	35
45°	14	17	17	17	14	10
55°	2	2	4	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°	2488.0	2488.0	2488.0	2488.0	2488.0
2.5°	2471.5	2469.8	2470.8	2472.1	2472.5
5°	2407.4	2405.1	2404.6	2409.6	2407.5
7.5°	2278.1	2274.7	2269.7	2281.1	2291.7
10°	2061.4	2057.7	2046.8	2052.2	2060.8
12.5°	1741.4	1729.6	1729.3	1746.4	1744.1
15°	1319.2	1303.2	1312.1	1307.8	1305.5
17.5°	887.1	881.0	892.7	889.2	873.9
20°	638.2	639.7	662.1	650.8	637.3
22.5°	465.6	471.4	497.9	469.0	458.3
25°	310.0	321.8	349.6	313.6	303.7
27.5°	190.7	196.1	224.3	188.2	182.9
30°	118.6	115.9	129.3	110.9	103.4
32.5°	77.8	74.4	78.7	70.6	64.5
35°	52.0	53.1	49.8	49.4	41.8
37.5°	32.5	37.4	33.0	35.2	26.9
40°	21.0	27.1	23.3	25.8	19.8
42.5°	17.2	20.9	19.2	20.4	17.6
45°	13.7	17.0	17.0	17.0	13.8
47.5°	7.6	11.3	14.6	11.6	8.1
50°	4.3	5.7	11.2	6.0	4.5
52.5°	2.9	3.3	7.7	3.4	3.0
55°	2.2	2.3	4.1	2.5	2.3
57.5°	1.7	1.8	2.2	1.8	1.7
60°	1.3	1.3	1.6	1.5	1.3
62.5°	1.0	1.0	1.1	1.0	1.0
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.3	0.5	0.5	0.5	0.5
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

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— 0°-180° - - 45°-225° - - - - 90°-270°

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