

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: P787738

Luminaire Tested: LER6D05D010-EC6DR300210IC9050-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787738
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: LER6D05D010-EC6DR300210IC9050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1077.1 lumens
Efficiency: N/A
Efficacy: 143.6 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

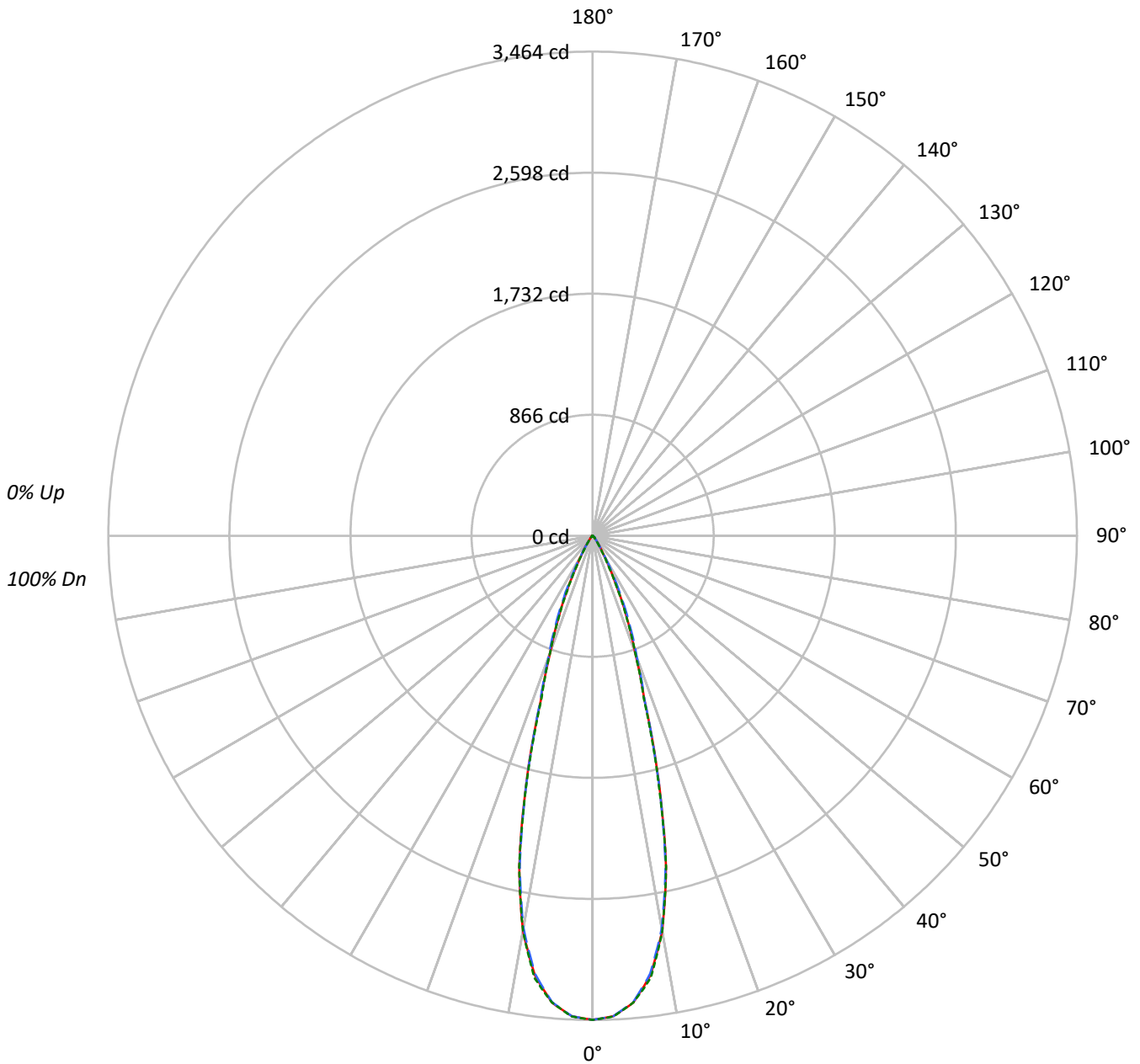


Downlight

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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	265108	265108	265108
5°	257500	257192	257507
10°	223030	221460	222975
15°	145515	144738	144009
20°	72357	75070	72259
25°	36451	41105	35700
30°	14592	15900	12719
35°	6765	6485	5438
40°	2918	3247	2748
45°	2057	2555	2078
50°	714	1858	750
55°	414	774	427
60°	291	337	291
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.6	28.3
10°-20°	490.5	45.5
20°-30°	212.0	19.7
30°-40°	48.3	4.5
40°-50°	16.6	1.5
50°-60°	4.1	0.4
60°-70°	1.1	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°	1007.0	93.5
0°-40°	1055.3	98.0
0°-60°	1076.0	99.9
0°-90°	1077.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1077.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3464	3464	3464	3464	3464	
5°	3351	3348	3347	3354	3351	305
15°	1836	1814	1826	1820	1817	492
25°	432	448	487	436	423	207
35°	72	74	69	69	58	49
45°	19	24	24	24	19	14
55°	3	3	6	3	3	3
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°	3463.5	3463.5	3463.5	3463.5	3463.5
2.5°	3440.5	3438.2	3439.5	3441.2	3441.9
5°	3351.3	3348.0	3347.3	3354.3	3351.4
7.5°	3171.2	3166.6	3159.6	3175.4	3190.2
10°	2869.5	2864.4	2849.3	2856.8	2868.8
12.5°	2424.2	2407.7	2407.3	2431.1	2427.9
15°	1836.3	1814.2	1826.5	1820.5	1817.3
17.5°	1234.9	1226.4	1242.7	1237.8	1216.5
20°	888.3	890.5	921.6	906.0	887.1
22.5°	648.2	656.2	693.1	652.8	638.0
25°	431.6	447.9	486.7	436.5	422.7
27.5°	265.4	272.9	312.2	262.0	254.6
30°	165.1	161.4	179.9	154.4	143.9
32.5°	108.3	103.6	109.5	98.3	89.8
35°	72.4	74.0	69.4	68.9	58.2
37.5°	45.2	52.0	45.9	49.0	37.4
40°	29.2	37.8	32.5	35.9	27.5
42.5°	24.0	29.1	26.7	28.4	24.5
45°	19.0	23.6	23.6	23.6	19.2
47.5°	10.5	15.8	20.2	16.2	11.2
50°	6.0	8.0	15.6	8.3	6.3
52.5°	4.1	4.6	10.7	4.8	4.3
55°	3.1	3.2	5.8	3.4	3.2
57.5°	2.4	2.6	3.1	2.6	2.4
60°	1.9	1.9	2.2	2.0	1.9
62.5°	1.4	1.4	1.5	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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

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Scaled Data Report





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

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(END OF REPORT)