

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: P787732

Luminaire Tested: LER6D05D010-EC6DR300210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787732
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-EC6DR300210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 1286.2 lumens
Efficiency: N/A
Efficacy: 171.5 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

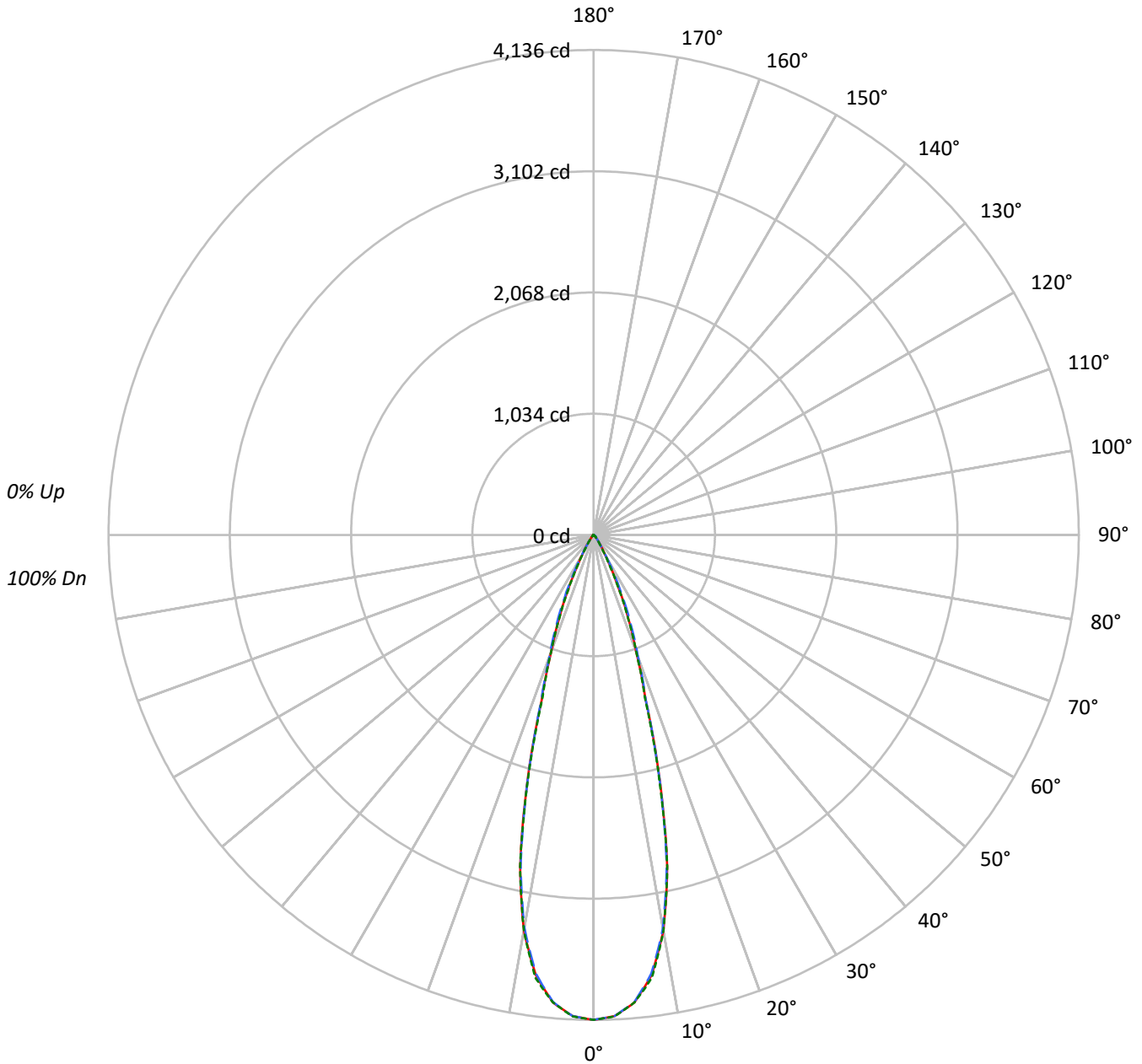


Downlight

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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	87	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°	316561	316561	316561
5°	307474	307113	307489
10°	266322	264441	266252
15°	173757	172830	171959
20°	86400	89642	86286
25°	43520	49078	42634
30°	17429	18985	15184
35°	8083	7737	6485
40°	3487	3877	3287
45°	2457	3053	2479
50°	845	2227	893
55°	494	921	520
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3053 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.7	28.3
10°-20°	585.7	45.5
20°-30°	253.1	19.7
30°-40°	57.7	4.5
40°-50°	19.8	1.5
50°-60°	4.8	0.4
60°-70°	1.2	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°	1202.5	93.5
0°-40°	1260.1	98.0
0°-60°	1284.8	99.9
0°-90°	1286.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4136	4136	4136	4136	4136	
5°	4002	3998	3997	4005	4002	364
15°	2193	2166	2181	2174	2170	587
25°	515	535	581	521	505	247
35°	86	88	83	82	69	59
45°	23	28	28	28	23	16
55°	4	4	7	4	4	4
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°	4135.7	4135.7	4135.7	4135.7	4135.7
2.5°	4108.3	4105.5	4107.1	4109.1	4109.9
5°	4001.7	3997.8	3997.0	4005.4	4001.9
7.5°	3786.7	3781.2	3772.9	3791.7	3809.4
10°	3426.5	3420.4	3402.3	3411.2	3425.6
12.5°	2894.7	2875.0	2874.6	2903.0	2899.1
15°	2192.7	2166.3	2181.0	2173.8	2170.0
17.5°	1474.5	1464.4	1483.9	1478.0	1452.6
20°	1060.7	1063.4	1100.5	1081.8	1059.3
22.5°	774.0	783.6	827.6	779.5	761.8
25°	515.3	534.8	581.1	521.2	504.8
27.5°	317.0	325.9	372.8	312.9	304.0
30°	197.2	192.7	214.8	184.4	171.8
32.5°	129.3	123.7	130.8	117.4	107.2
35°	86.5	88.3	82.8	82.2	69.4
37.5°	54.0	62.1	54.8	58.5	44.7
40°	34.9	45.1	38.8	42.8	32.9
42.5°	28.6	34.7	31.9	33.9	29.2
45°	22.7	28.2	28.2	28.2	22.9
47.5°	12.6	18.9	24.2	19.3	13.4
50°	7.1	9.5	18.7	9.9	7.5
52.5°	4.9	5.5	12.8	5.7	5.1
55°	3.7	3.9	6.9	4.1	3.9
57.5°	2.8	3.0	3.7	3.0	2.8
60°	2.2	2.2	2.6	2.4	2.2
62.5°	1.6	1.6	1.8	1.6	1.6
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	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

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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