

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: P787721

Luminaire Tested: LER6D05D010-EC6DR300210IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787721
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-EC6DR300210IC9035-6LBDP1LI
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: 1248.5 lumens
Efficiency: N/A
Efficacy: 166.5 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

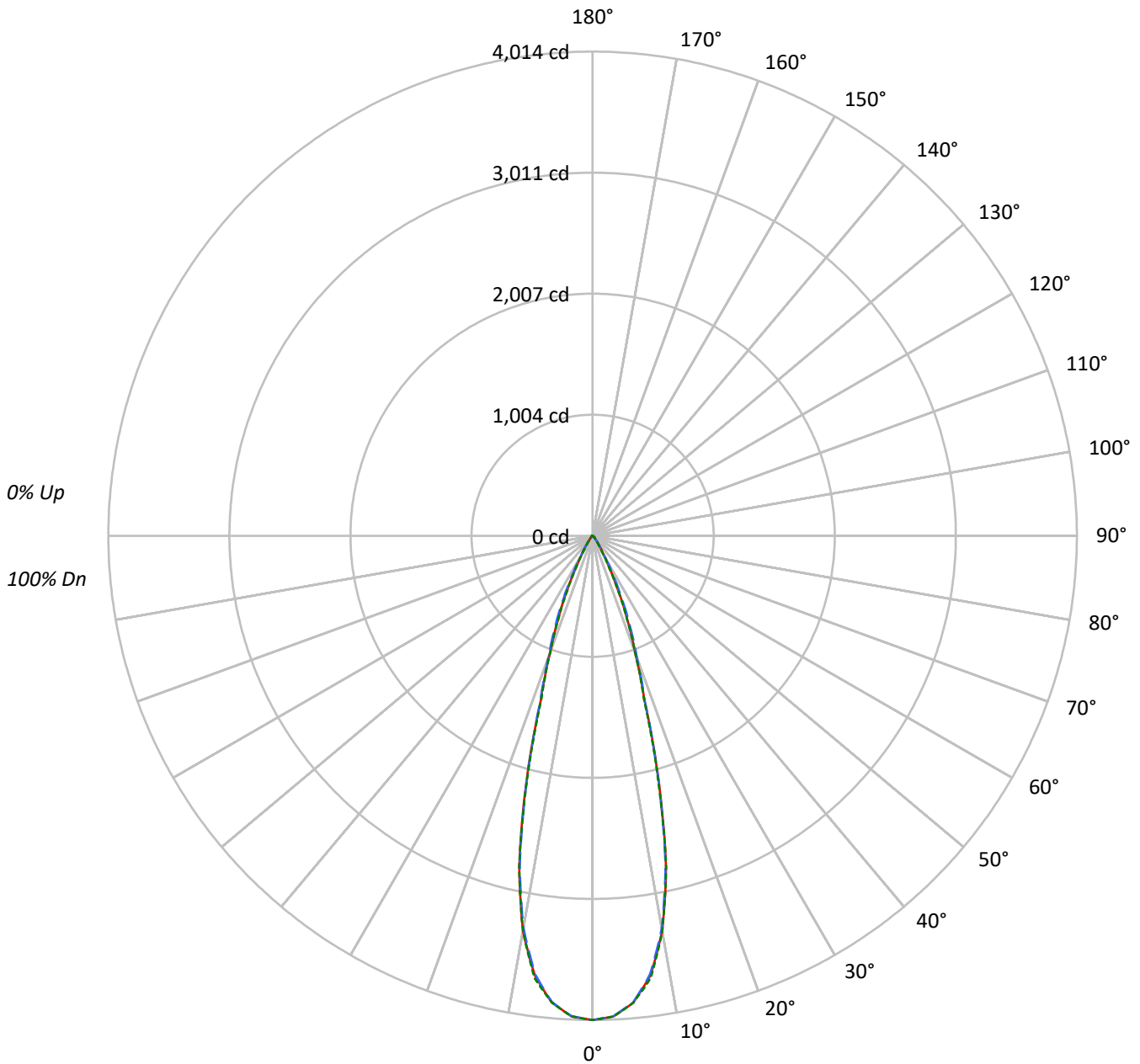


Downlight

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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	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°	307276	307276	307276
5°	298453	298107	298469
10°	258503	256684	258441
15°	168662	167759	166911
20°	83867	87011	83753
25°	42245	47642	41384
30°	16917	18428	14734
35°	7849	7513	6298
40°	3387	3757	3187
45°	2392	2966	2414
50°	822	2155	869
55°	467	894	494
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: 2966 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.0	28.3
10°-20°	568.5	45.5
20°-30°	245.7	19.7
30°-40°	56.0	4.5
40°-50°	19.2	1.5
50°-60°	4.7	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°	1167.2	93.5
0°-40°	1223.2	98.0
0°-60°	1247.1	99.9
0°-90°	1248.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1248.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4014	4014	4014	4014	4014	
5°	3884	3880	3880	3888	3884	353
15°	2128	2103	2117	2110	2106	570
25°	500	519	564	506	490	239
35°	84	86	80	80	67	57
45°	22	27	27	27	22	16
55°	4	4	7	4	4	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°	4014.4	4014.4	4014.4	4014.4	4014.4
2.5°	3987.8	3985.0	3986.6	3988.6	3989.3
5°	3884.3	3880.5	3879.8	3887.8	3884.5
7.5°	3675.6	3670.2	3662.2	3680.5	3697.6
10°	3325.9	3320.0	3302.5	3311.1	3325.1
12.5°	2809.7	2790.6	2790.2	2817.8	2814.1
15°	2128.4	2102.8	2117.0	2110.1	2106.3
17.5°	1431.3	1421.4	1440.3	1434.6	1410.0
20°	1029.6	1032.2	1068.2	1050.1	1028.2
22.5°	751.3	760.6	803.3	756.6	739.5
25°	500.2	519.1	564.1	505.9	490.0
27.5°	307.7	316.3	361.9	303.7	295.0
30°	191.4	187.0	208.5	179.0	166.7
32.5°	125.5	120.0	126.9	113.9	104.1
35°	84.0	85.7	80.4	79.8	67.4
37.5°	52.4	60.3	53.2	56.8	43.4
40°	33.9	43.8	37.6	41.6	31.9
42.5°	27.8	33.7	30.9	32.9	28.4
45°	22.1	27.4	27.4	27.4	22.3
47.5°	12.2	18.3	23.5	18.7	13.0
50°	6.9	9.3	18.1	9.7	7.3
52.5°	4.7	5.3	12.4	5.5	4.9
55°	3.5	3.7	6.7	3.9	3.7
57.5°	2.8	3.0	3.5	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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