

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: P787704

Luminaire Tested: LER6D05D010-EC6DR300210IC9027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787704
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-EC6DR300210IC9027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1090.8 lumens
Efficiency: N/A
Efficacy: 145.4 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

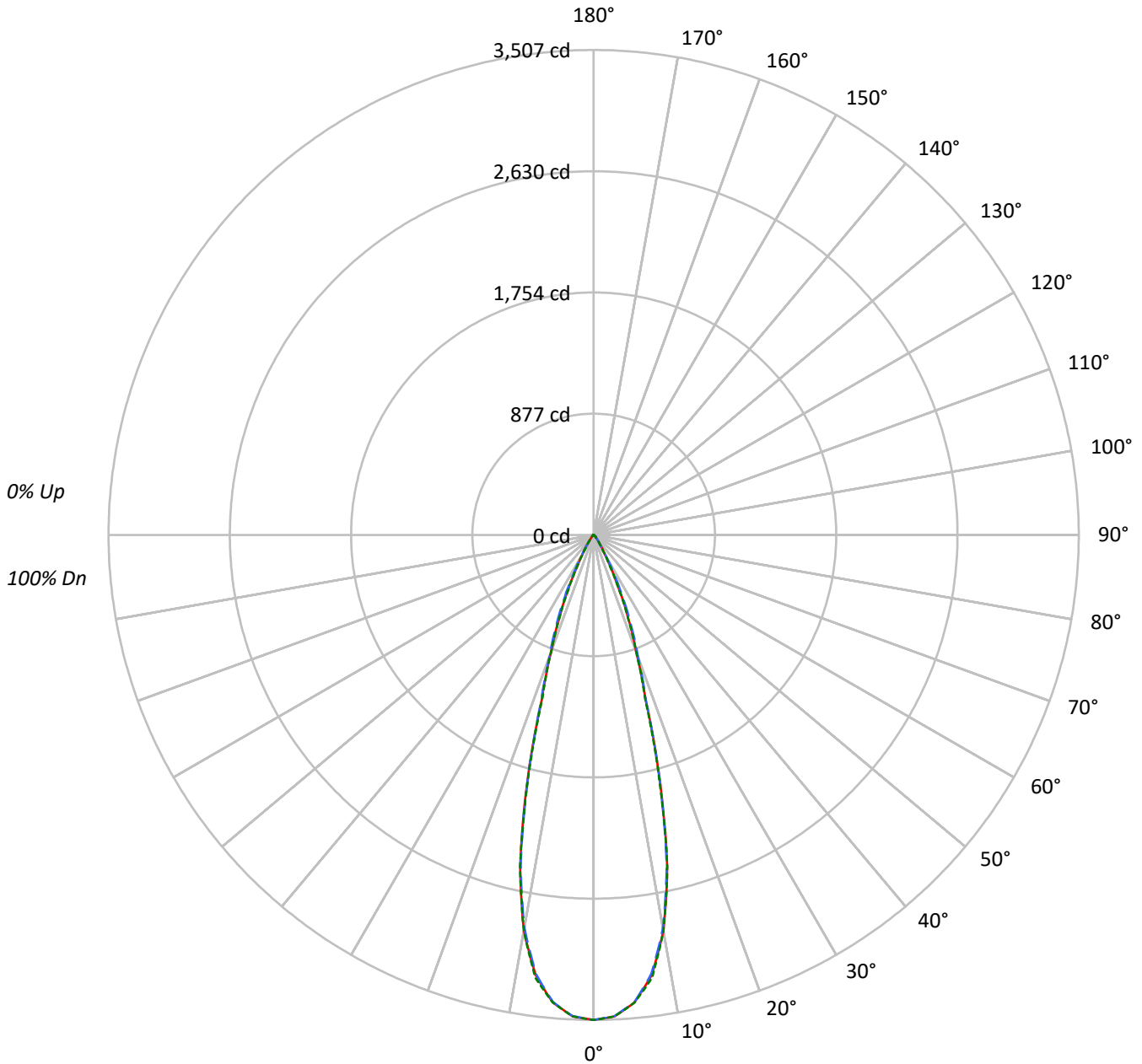


Downlight

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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°	268468	268468	268468
5°	260758	260458	260773
10°	225859	224265	225804
15°	147361	146569	145832
20°	73278	76023	73180
25°	36907	41620	36156
30°	14778	16104	12878
35°	6859	6569	5504
40°	2958	3287	2788
45°	2089	2587	2111
50°	714	1881	762
55°	414	787	440
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: 2587 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	28.3
10°-20°	496.7	45.5
20°-30°	214.6	19.7
30°-40°	48.9	4.5
40°-50°	16.8	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°	1019.8	93.5
0°-40°	1068.7	98.0
0°-60°	1089.6	99.9
0°-90°	1090.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1090.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3507	3507	3507	3507	3507	
5°	3394	3390	3390	3397	3394	309
15°	1860	1837	1850	1844	1840	498
25°	437	454	493	442	428	209
35°	73	75	70	70	59	50
45°	19	24	24	24	20	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°	3507.4	3507.4	3507.4	3507.4	3507.4
2.5°	3484.1	3481.7	3483.1	3484.8	3485.5
5°	3393.7	3390.5	3389.8	3396.8	3393.9
7.5°	3211.4	3206.7	3199.7	3215.7	3230.7
10°	2905.9	2900.7	2885.4	2893.0	2905.2
12.5°	2454.9	2438.2	2437.8	2462.0	2458.7
15°	1859.6	1837.2	1849.6	1843.6	1840.3
17.5°	1250.5	1241.9	1258.4	1253.4	1231.9
20°	899.6	901.8	933.3	917.5	898.4
22.5°	656.4	664.5	701.9	661.1	646.1
25°	437.0	453.6	492.8	442.0	428.1
27.5°	268.8	276.4	316.2	265.4	257.8
30°	167.2	163.4	182.2	156.4	145.7
32.5°	109.7	104.9	110.9	99.5	90.9
35°	73.4	74.9	70.3	69.7	58.9
37.5°	45.8	52.7	46.5	49.6	37.9
40°	29.6	38.2	32.9	36.3	27.9
42.5°	24.3	29.4	27.0	28.8	24.8
45°	19.3	23.9	23.9	23.9	19.5
47.5°	10.7	16.0	20.5	16.4	11.4
50°	6.0	8.1	15.8	8.4	6.4
52.5°	4.1	4.6	10.8	4.8	4.3
55°	3.1	3.3	5.9	3.4	3.3
57.5°	2.4	2.6	3.1	2.6	2.4
60°	1.9	1.9	2.2	2.1	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

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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