

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: P787580

Luminaire Tested: LER6D05D010-EC6DR150210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D05D010-EC6DR150210IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 741.7 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

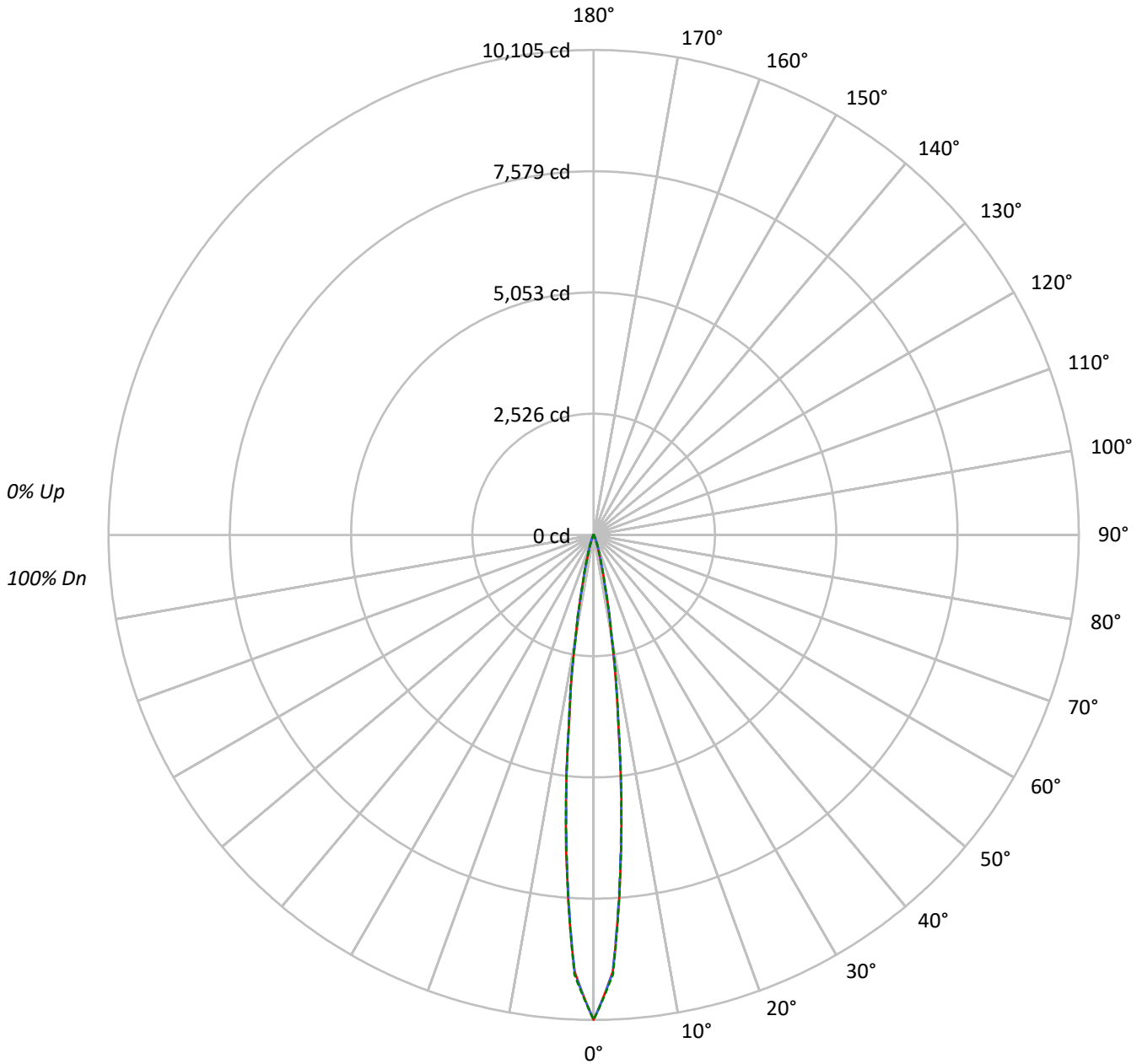
Input Watts (W): 7.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1136969	1136969	1136969
5°	668139	659490	664704
10°	199408	200807	203877
15°	49604	50568	49005
20°	14843	17183	15154
25°	5235	6668	5297
30°	1924	2531	1954
35°	966	1089	930
40°	611	668	611
45°	448	476	448
50°	355	355	355
55°	299	299	299
60°	239	239	239
65°	186	186	186
70°	154	154	154
75°	98	98	128
80°	71	71	71
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 476 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.0	64.9
10°-20°	197.8	26.7
20°-30°	39.3	5.3
30°-40°	9.8	1.3
40°-50°	5.2	0.7
50°-60°	3.8	0.5
60°-70°	2.7	0.4
70°-80°	1.5	0.2
80°-90°	0.5	0.1
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°	718.2	96.8
0°-40°	728.0	98.2
0°-60°	736.9	99.4
0°-90°	741.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10105	10105	10105	10105	10105	
5°	6574	6507	6489	6534	6540	480
15°	571	582	582	572	564	196
25°	67	76	86	76	68	35
35°	13	14	15	14	13	9
45°	6	6	7	6	6	5
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
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°	10104.6	10104.6	10104.6	10104.6	10104.6
2.5°	9114.8	9122.5	9125.5	9134.4	9167.8
5°	6574.3	6506.7	6489.2	6534.1	6540.5
7.5°	3894.3	3908.0	3958.1	3969.2	3929.0
10°	2137.1	2154.6	2152.1	2167.5	2185.0
12.5°	1092.9	1079.2	1075.0	1092.5	1068.1
15°	571.1	581.8	582.2	571.9	564.2
17.5°	307.1	319.5	340.1	323.4	297.7
20°	181.4	192.5	210.0	196.3	185.2
22.5°	112.1	121.1	133.5	122.8	113.8
25°	67.2	76.1	85.6	75.7	68.0
27.5°	39.8	47.5	53.5	47.1	39.4
30°	25.7	29.9	33.8	29.5	26.1
32.5°	18.0	19.7	21.4	19.7	18.0
35°	13.3	14.1	15.0	14.1	12.8
37.5°	10.3	11.1	11.5	10.7	9.8
40°	8.6	9.0	9.4	9.0	8.6
42.5°	7.3	7.7	7.7	7.7	7.3
45°	6.4	6.4	6.8	6.4	6.4
47.5°	5.6	5.6	6.0	5.6	5.6
50°	5.1	5.1	5.1	5.1	5.1
52.5°	4.7	4.7	4.7	4.7	4.7
55°	4.3	4.3	4.3	4.3	4.3
57.5°	3.8	3.8	3.8	3.8	3.8
60°	3.4	3.4	3.4	3.4	3.4
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.6	2.6	2.6	2.6	2.6
70°	2.1	2.1	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.7	1.7
75°	1.3	1.3	1.3	1.3	1.7
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.4	0.4	0.4	0.4	0.4
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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