

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: P786945

Luminaire Tested: LER6D02D010-EC6DR150210IC9030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786945
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: LER6D02D010-EC6DR150210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 384.4 lumens
Efficiency: N/A
Efficacy: 75.4 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

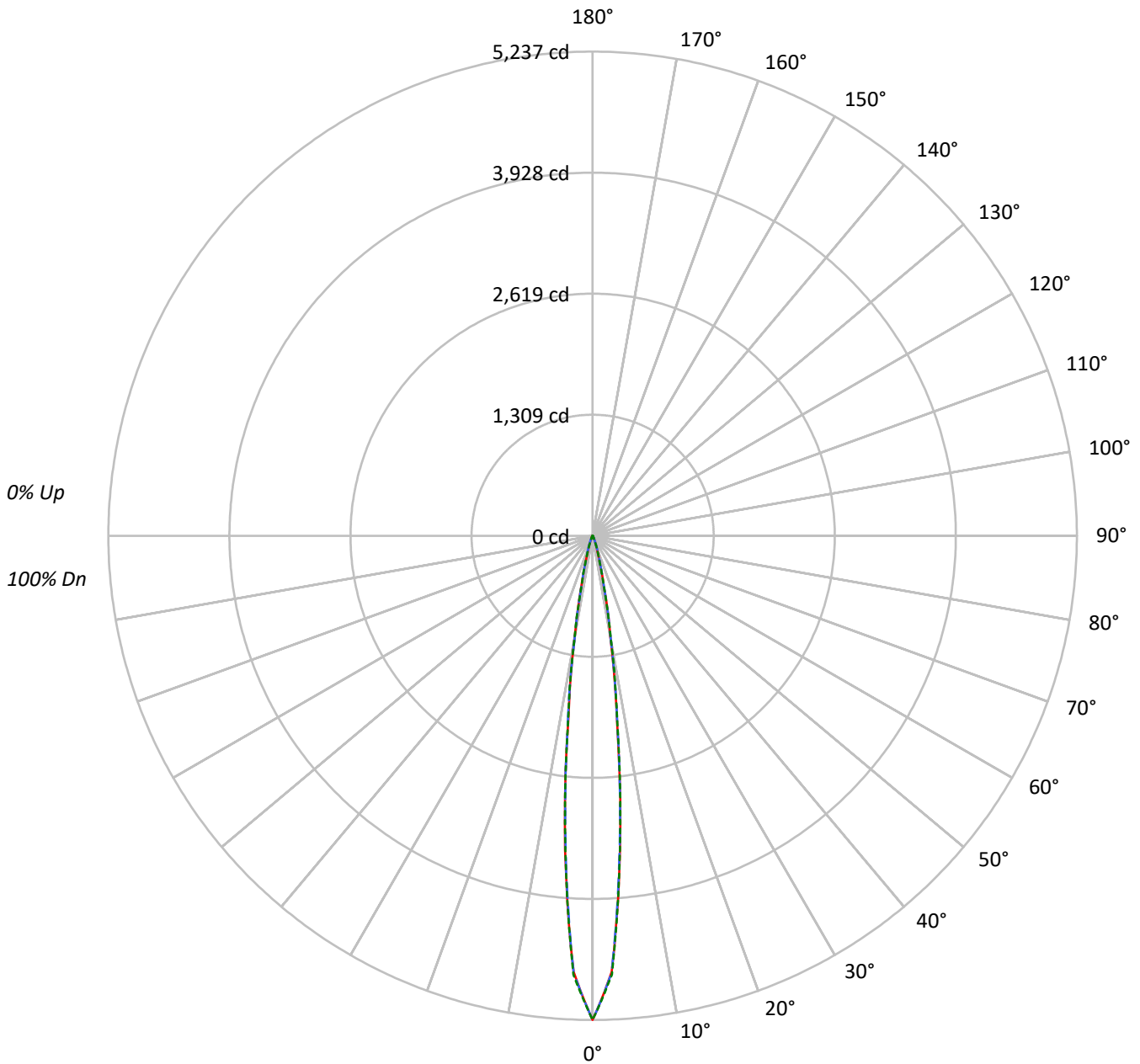
Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98			98																
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96			96																
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94			94																
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93			93																
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92			92																
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90			90																
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89			89																
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88			88																
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87			87																
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86			86																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	589256	589256	589256
5°	346270	341788	344491
10°	103347	104066	105662
15°	25710	26205	25397
20°	7691	8911	7855
25°	2711	3451	2742
30°	996	1310	1011
35°	501	566	487
40°	312	348	312
45°	231	245	231
50°	188	188	188
55°	153	153	153
60°	126	126	126
65°	93	93	93
70°	80	80	80
75°	53	53	68
80°	32	32	32
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 245 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.3	64.9
10°-20°	102.5	26.7
20°-30°	20.4	5.3
30°-40°	5.1	1.3
40°-50°	2.7	0.7
50°-60°	2.0	0.5
60°-70°	1.4	0.4
70°-80°	0.8	0.2
80°-90°	0.2	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°	372.2	96.8
0°-40°	377.3	98.2
0°-60°	381.9	99.4
0°-90°	384.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5237	5237	5237	5237	5237	
5°	3407	3372	3363	3386	3390	249
15°	296	302	302	296	292	101
25°	35	40	44	39	35	18
35°	7	7	8	7	7	5
45°	3	3	4	3	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5236.9	5236.9	5236.9	5236.9	5236.9
2.5°	4723.9	4727.8	4729.4	4734.0	4751.3
5°	3407.2	3372.2	3363.1	3386.4	3389.7
7.5°	2018.3	2025.4	2051.3	2057.1	2036.3
10°	1107.6	1116.7	1115.3	1123.3	1132.4
12.5°	566.4	559.3	557.1	566.2	553.6
15°	296.0	301.5	301.7	296.4	292.4
17.5°	159.2	165.6	176.2	167.6	154.3
20°	94.0	99.8	108.9	101.8	96.0
22.5°	58.1	62.7	69.2	63.6	59.0
25°	34.8	39.5	44.3	39.2	35.2
27.5°	20.6	24.6	27.7	24.4	20.4
30°	13.3	15.5	17.5	15.3	13.5
32.5°	9.3	10.2	11.1	10.2	9.3
35°	6.9	7.3	7.8	7.3	6.7
37.5°	5.3	5.8	6.0	5.5	5.1
40°	4.4	4.7	4.9	4.7	4.4
42.5°	3.8	4.0	4.0	4.0	3.8
45°	3.3	3.3	3.5	3.3	3.3
47.5°	2.9	2.9	3.1	2.9	2.9
50°	2.7	2.7	2.7	2.7	2.7
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.0	2.0	2.0	2.0	2.0
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.1	1.1	1.1	1.1	1.1
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.9
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
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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