

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: P786972

Luminaire Tested: LER6D02D010-EC6DR150210IC9050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786972
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-EC6DR150210IC9050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 413.1 lumens
Efficiency: N/A
Efficacy: 81.0 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

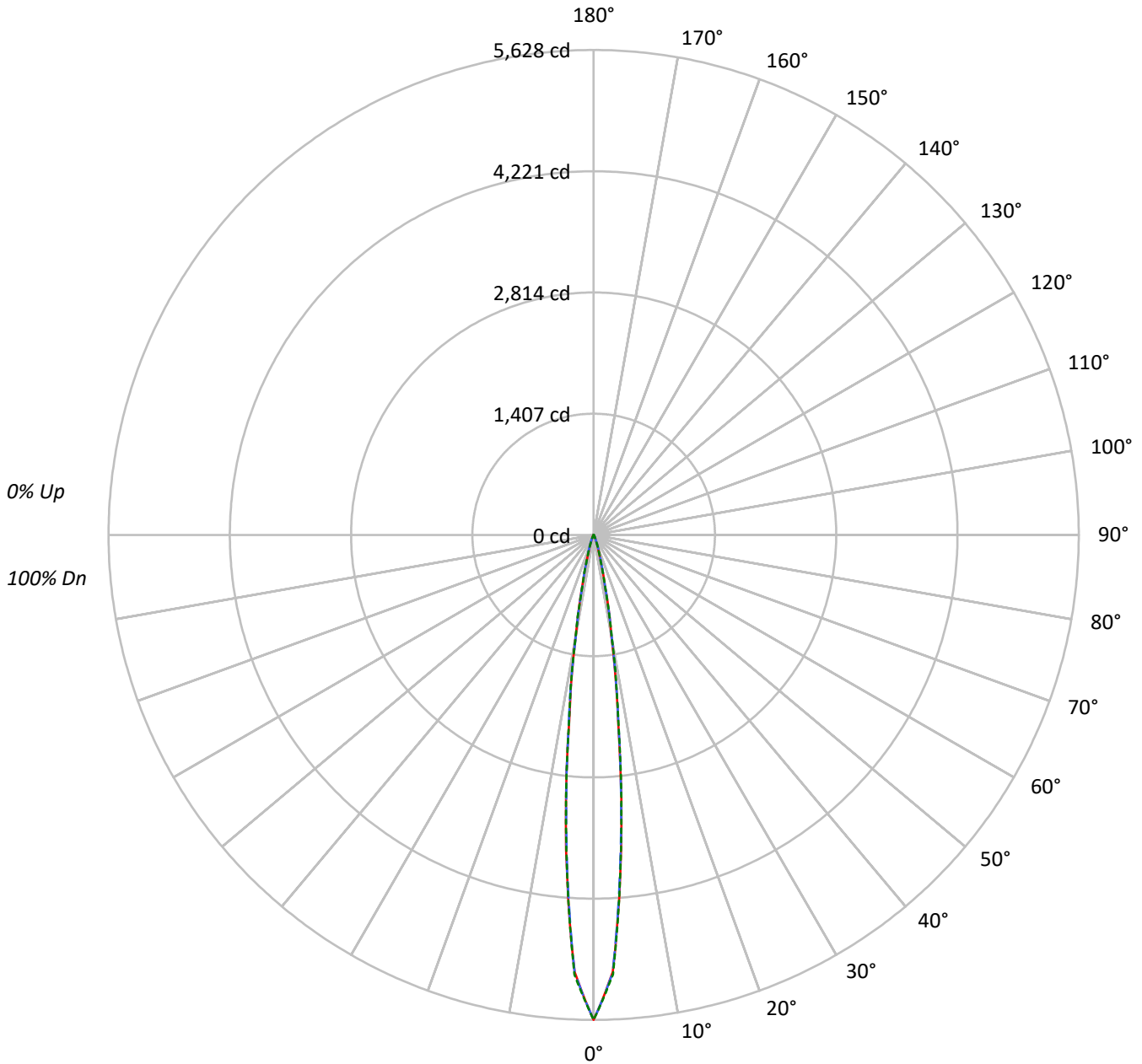
Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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	88	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°	633307	633307	633307
5°	372155	367338	370244
10°	111073	111848	113565
15°	27629	28168	27299
20°	8264	9573	8444
25°	2913	3716	2952
30°	1071	1408	1086
35°	537	603	516
40°	341	369	341
45°	252	266	252
50°	202	202	202
55°	167	167	167
60°	133	133	133
65°	100	100	100
70°	88	88	88
75°	53	53	76
80°	39	39	39
85°	17	17	17

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 266 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.9	64.9
10°-20°	110.2	26.7
20°-30°	21.9	5.3
30°-40°	5.5	1.3
40°-50°	2.9	0.7
50°-60°	2.1	0.5
60°-70°	1.5	0.4
70°-80°	0.9	0.2
80°-90°	0.3	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°	400.0	96.8
0°-40°	405.5	98.2
0°-60°	410.5	99.4
0°-90°	413.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	413.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5628	5628	5628	5628	5628	
5°	3662	3624	3614	3640	3643	267
15°	318	324	324	319	314	109
25°	37	42	48	42	38	20
35°	7	8	8	8	7	5
45°	4	4	4	4	4	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°	5628.4	5628.4	5628.4	5628.4	5628.4
2.5°	5077.0	5081.3	5083.0	5088.0	5106.5
5°	3661.9	3624.3	3614.5	3639.5	3643.1
7.5°	2169.2	2176.8	2204.7	2210.9	2188.5
10°	1190.4	1200.2	1198.7	1207.3	1217.1
12.5°	608.8	601.1	598.8	608.5	595.0
15°	318.1	324.0	324.3	318.6	314.3
17.5°	171.1	178.0	189.4	180.1	165.8
20°	101.0	107.2	117.0	109.4	103.2
22.5°	62.4	67.4	74.3	68.4	63.4
25°	37.4	42.4	47.7	42.2	37.9
27.5°	22.2	26.4	29.8	26.2	21.9
30°	14.3	16.7	18.8	16.4	14.5
32.5°	10.0	11.0	11.9	11.0	10.0
35°	7.4	7.9	8.3	7.9	7.1
37.5°	5.7	6.2	6.4	6.0	5.5
40°	4.8	5.0	5.2	5.0	4.8
42.5°	4.1	4.3	4.3	4.3	4.1
45°	3.6	3.6	3.8	3.6	3.6
47.5°	3.1	3.1	3.3	3.1	3.1
50°	2.9	2.9	2.9	2.9	2.9
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.1	2.1	2.1	2.1	2.1
60°	1.9	1.9	1.9	1.9	1.9
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.7	0.7	0.7	0.7	1.0
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5
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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