

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: P788809

Luminaire Tested: LER6D10D010-EC6DR150210IC9027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788809
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: LER6D10D010-EC6DR150210IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1067.4 lumens
Efficiency: N/A
Efficacy: 91.2 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

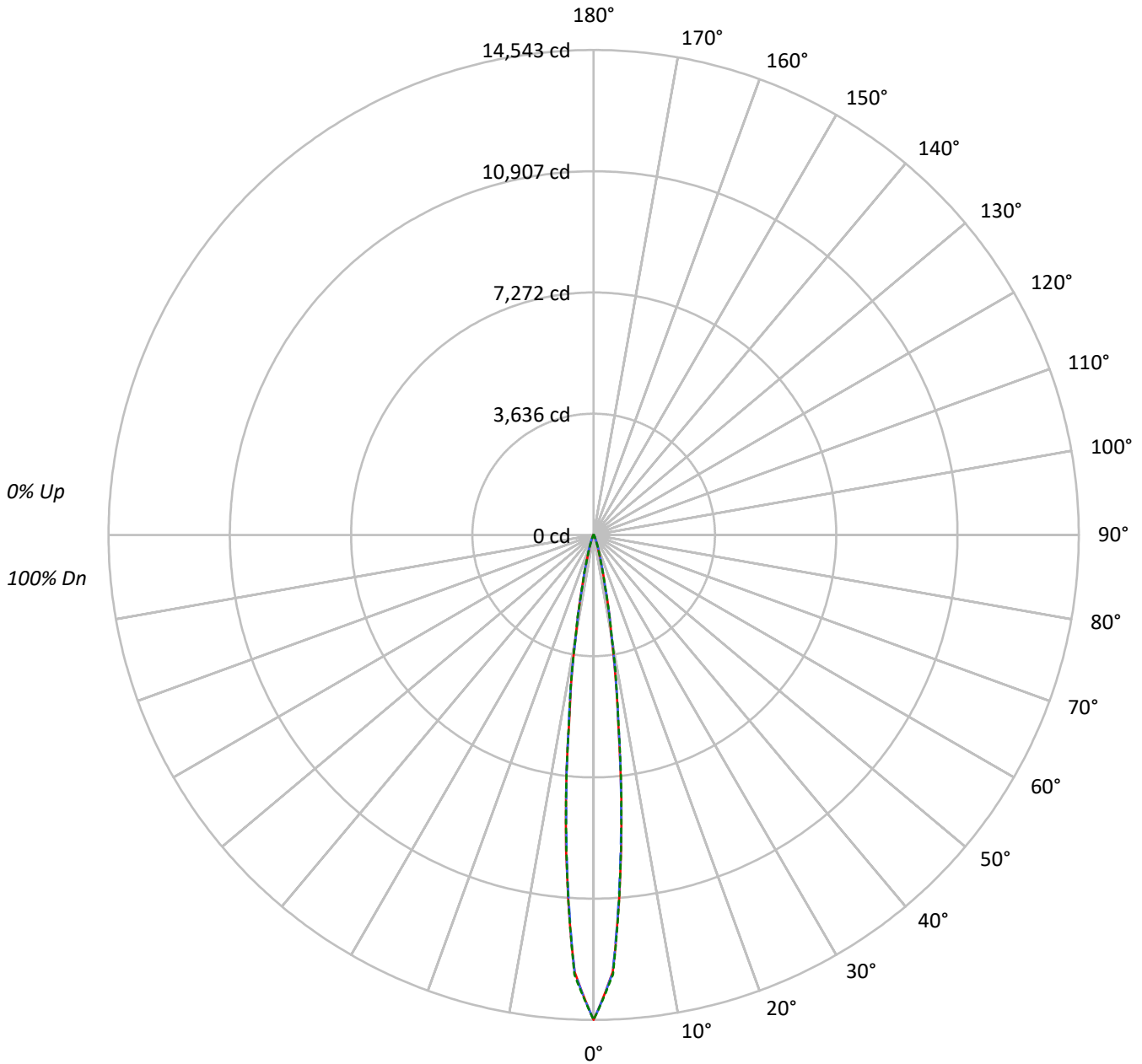
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1636400	1636400	1636400
5°	961623	949173	956684
10°	287005	289011	293434
15°	71388	72777	70536
20°	21356	24735	21814
25°	7533	9590	7626
30°	2763	3639	2816
35°	1387	1561	1343
40°	873	959	873
45°	644	693	644
50°	515	515	515
55°	432	432	432
60°	344	344	344
65°	264	264	264
70°	227	227	227
75°	136	136	189
80°	95	95	95
85°	50	50	50

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 693 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.3	64.9
10°-20°	284.8	26.7
20°-30°	56.6	5.3
30°-40°	14.1	1.3
40°-50°	7.4	0.7
50°-60°	5.5	0.5
60°-70°	3.9	0.4
70°-80°	2.2	0.2
80°-90°	0.7	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°	1033.6	96.8
0°-40°	1047.7	98.2
0°-60°	1060.6	99.4
0°-90°	1067.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1067.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14543	14543	14543	14543	14543	
5°	9462	9365	9340	9404	9414	691
15°	822	837	838	823	812	282
25°	97	110	123	109	98	51
35°	19	20	22	20	18	13
45°	9	9	10	9	9	7
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14543.2	14543.2	14543.2	14543.2	14543.2
2.5°	13118.6	13129.7	13134.0	13146.9	13194.9
5°	9462.1	9364.9	9339.6	9404.3	9413.5
7.5°	5605.0	5624.7	5696.7	5712.7	5654.9
10°	3075.9	3101.1	3097.4	3119.6	3144.8
12.5°	1573.0	1553.3	1547.2	1572.4	1537.3
15°	821.9	837.3	837.9	823.1	812.1
17.5°	442.0	459.9	489.5	465.4	428.5
20°	261.0	277.0	302.3	282.6	266.6
22.5°	161.3	174.2	192.1	176.7	163.8
25°	96.7	109.6	123.1	109.0	97.9
27.5°	57.3	68.3	77.0	67.7	56.6
30°	36.9	43.1	48.6	42.5	37.6
32.5°	25.9	28.3	30.8	28.3	25.9
35°	19.1	20.3	21.5	20.3	18.5
37.5°	14.8	16.0	16.6	15.4	14.2
40°	12.3	12.9	13.5	12.9	12.3
42.5°	10.5	11.1	11.1	11.1	10.5
45°	9.2	9.2	9.9	9.2	9.2
47.5°	8.0	8.0	8.6	8.0	8.0
50°	7.4	7.4	7.4	7.4	7.4
52.5°	6.8	6.8	6.8	6.8	6.8
55°	6.2	6.2	6.2	6.2	6.2
57.5°	5.5	5.5	5.5	5.5	5.5
60°	4.9	4.9	4.9	4.9	4.9
62.5°	4.3	4.3	4.3	4.3	4.3
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	3.1	3.1	3.1	3.1	3.1
72.5°	2.5	2.5	2.5	2.5	2.5
75°	1.8	1.8	1.8	1.8	2.5
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6
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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