

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: P789249

Luminaire Tested: LER6D10D010-EC6DR600210IC9030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR600210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1910.1 lumens
Efficiency: N/A
Efficacy: 163.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

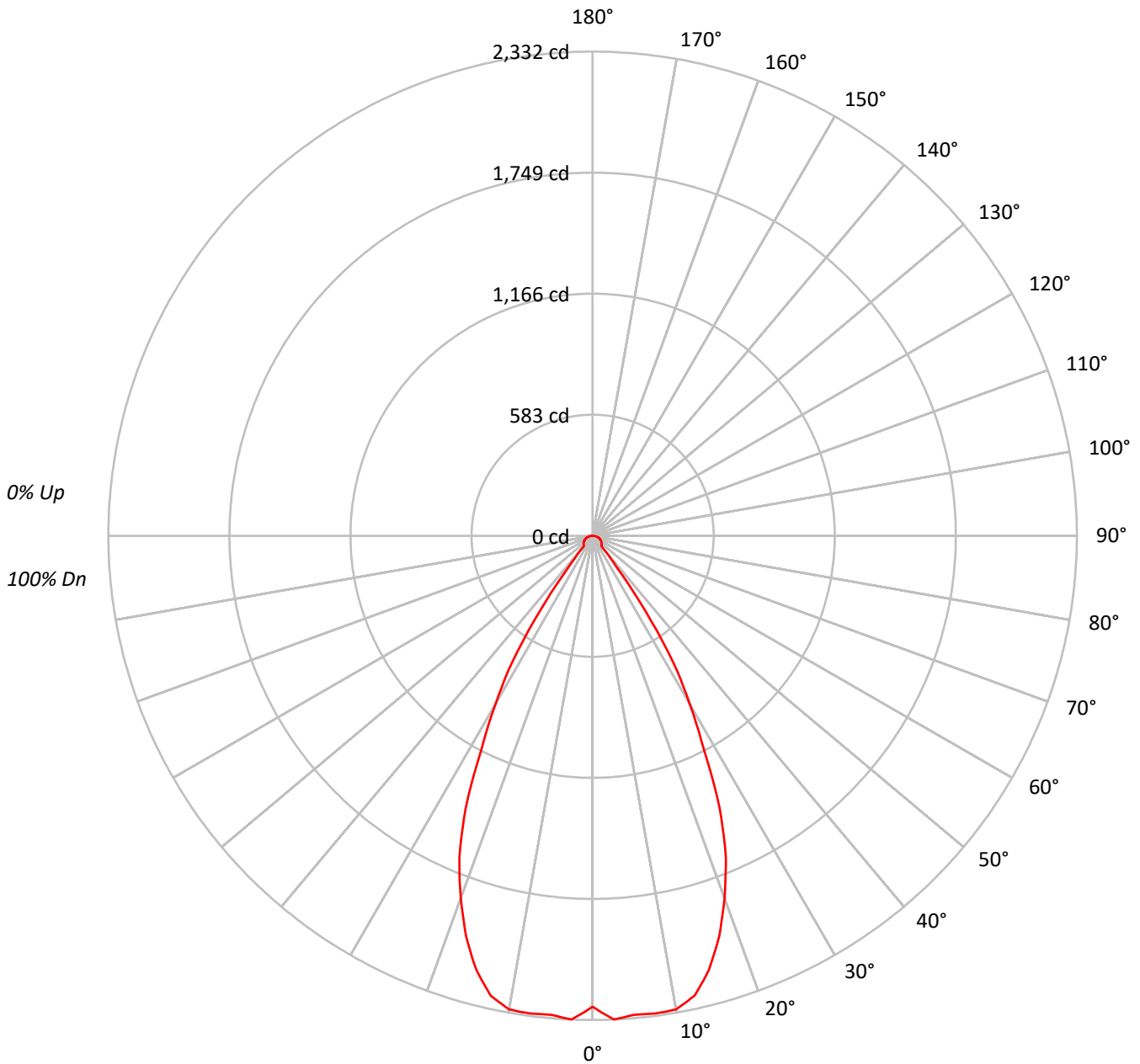
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	247858
5°	253949
10°	257018
15°	244849
20°	215884
25°	174613
30°	118114
35°	59182
40°	9599
45°	9395
50°	9587
55°	9734
60°	10008
65°	10238
70°	10478
75°	10596
80°	10193
85°	8525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 10596 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.3	11.6
10°-20°	598.7	31.3
20°-30°	644.2	33.7
30°-40°	280.0	14.7
40°-50°	47.0	2.5
50°-60°	45.7	2.4
60°-70°	39.1	2.0
70°-80°	26.2	1.4
80°-90°	7.8	0.4
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°	1464.2	76.7
0°-40°	1744.2	91.3
0°-60°	1837.0	96.2
0°-90°	1910.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1910.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2268	
5°	2315	221
15°	2165	599
25°	1448	644
35°	444	280
45°	61	47
55°	51	46
65°	40	39
75°	25	26
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2268.5
2.5°	2332.3
5°	2315.4
7.5°	2320.7
10°	2316.6
12.5°	2268.8
15°	2164.6
17.5°	2024.6
20°	1856.7
22.5°	1676.9
25°	1448.4
27.5°	1158.5
30°	936.2
32.5°	721.5
35°	443.7
37.5°	189.8
40°	67.3
42.5°	62.0
45°	60.8
47.5°	58.7
50°	56.4
52.5°	53.7
55°	51.1
57.5°	48.4
60°	45.8
62.5°	42.8
65°	39.6
67.5°	36.3
70°	32.8
72.5°	28.9
75°	25.1
77.5°	20.7
80°	16.2
82.5°	11.5
85°	6.8
87.5°	2.4
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)