

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: P789962

Luminaire Tested: LER6D15D010-EC6DR700215IC9035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR700215IC9035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2597.4 lumens
Efficiency: N/A
Efficacy: 164.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

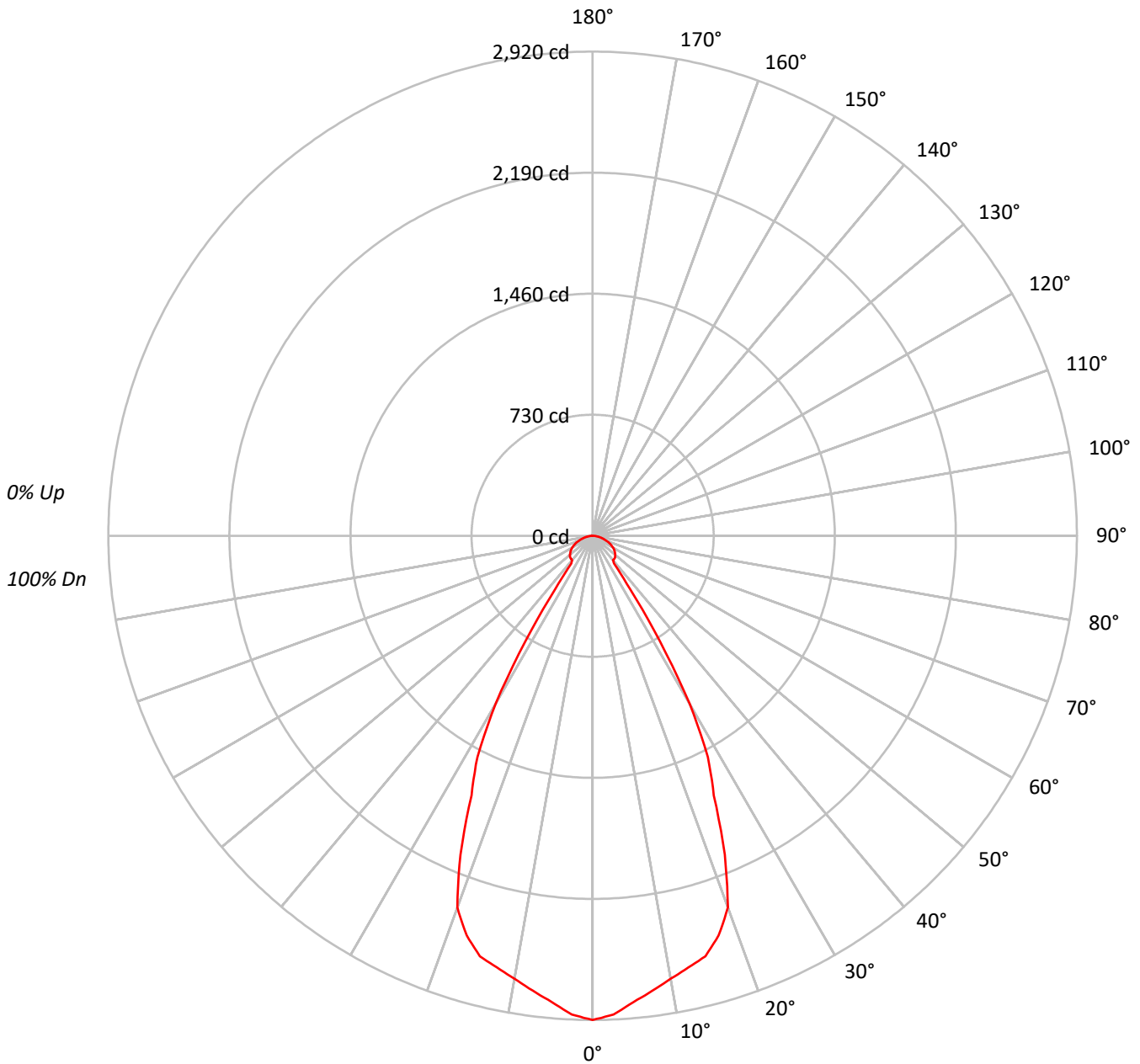
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319074
5°	309588
10°	300964
15°	297018
20°	277346
25°	208357
30°	147296
35°	52179
40°	27428
45°	29219
50°	30256
55°	30821
60°	31008
65°	30352
70°	28655
75°	26553
80°	23595
85°	19180

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 31031 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.2	10.3
10°-20°	730.3	28.1
20°-30°	804.3	31.0
30°-40°	307.3	11.8
40°-50°	145.1	5.6
50°-60°	144.2	5.6
60°-70°	115.5	4.4
70°-80°	66.4	2.6
80°-90°	18.1	0.7
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°	1800.9	69.3
0°-40°	2108.2	81.2
0°-60°	2397.5	92.3
0°-90°	2597.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2597.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2920	
5°	2823	266
15°	2626	730
25°	1728	804
35°	391	307
45°	189	145
55°	162	144
65°	117	115
75°	63	66
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2920.3
2.5°	2889.8
5°	2822.7
7.5°	2766.8
10°	2712.7
12.5°	2666.9
15°	2625.8
17.5°	2526.3
20°	2385.3
22.5°	2081.1
25°	1728.3
27.5°	1504.5
30°	1167.5
32.5°	754.1
35°	391.2
37.5°	211.3
40°	192.3
42.5°	191.0
45°	189.1
47.5°	184.9
50°	178.0
52.5°	170.1
55°	161.8
57.5°	152.6
60°	141.9
62.5°	129.9
65°	117.4
67.5°	103.6
70°	89.7
72.5°	75.8
75°	62.9
77.5°	49.5
80°	37.5
82.5°	26.4
85°	15.3
87.5°	6.0
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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