

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: P789875

Luminaire Tested: LER6D15D010-EC6DR600215IC9040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789875
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: LER6D15D010-EC6DR600215IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2088.2 lumens
Efficiency: N/A
Efficacy: 132.2 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

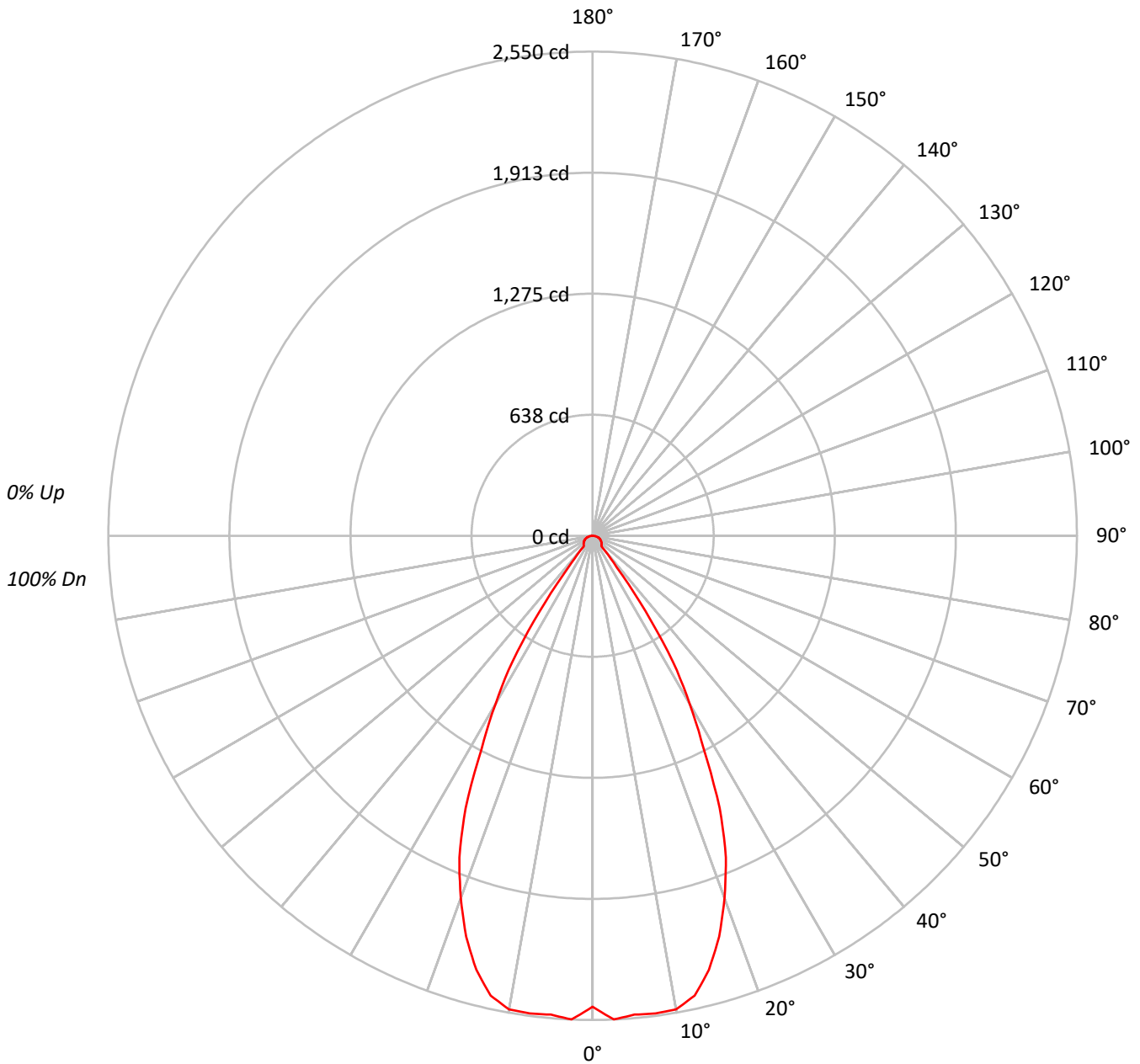
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	270978
5°	277639
10°	280994
15°	267687
20°	236011
25°	190900
30°	129128
35°	64704
40°	10498
45°	10275
50°	10471
55°	10629
60°	10926
65°	11194
70°	11437
75°	11567
80°	11200
85°	9277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 11567 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.9	11.6
10°-20°	654.6	31.3
20°-30°	704.3	33.7
30°-40°	306.1	14.7
40°-50°	51.4	2.5
50°-60°	50.0	2.4
60°-70°	42.8	2.0
70°-80°	28.6	1.4
80°-90°	8.6	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°	1600.8	76.7
0°-40°	1906.9	91.3
0°-60°	2008.3	96.2
0°-90°	2088.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2088.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2480	
5°	2531	242
15°	2366	655
25°	1584	704
35°	485	306
45°	66	51
55°	56	50
65°	43	43
75°	27	29
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2480.1
2.5°	2549.8
5°	2531.4
7.5°	2537.2
10°	2532.7
12.5°	2480.4
15°	2366.5
17.5°	2213.5
20°	2029.8
22.5°	1833.3
25°	1583.5
27.5°	1266.5
30°	1023.5
32.5°	788.8
35°	485.1
37.5°	207.5
40°	73.6
42.5°	67.8
45°	66.5
47.5°	64.2
50°	61.6
52.5°	58.7
55°	55.8
57.5°	52.9
60°	50.0
62.5°	46.8
65°	43.3
67.5°	39.7
70°	35.8
72.5°	31.6
75°	27.4
77.5°	22.6
80°	17.8
82.5°	12.6
85°	7.4
87.5°	2.6
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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