

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: P789833

Luminaire Tested: LER6D15D010-EC6DR550215IC9040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789833
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR550215IC9040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2671.4 lumens
Efficiency: N/A
Efficacy: 169.1 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

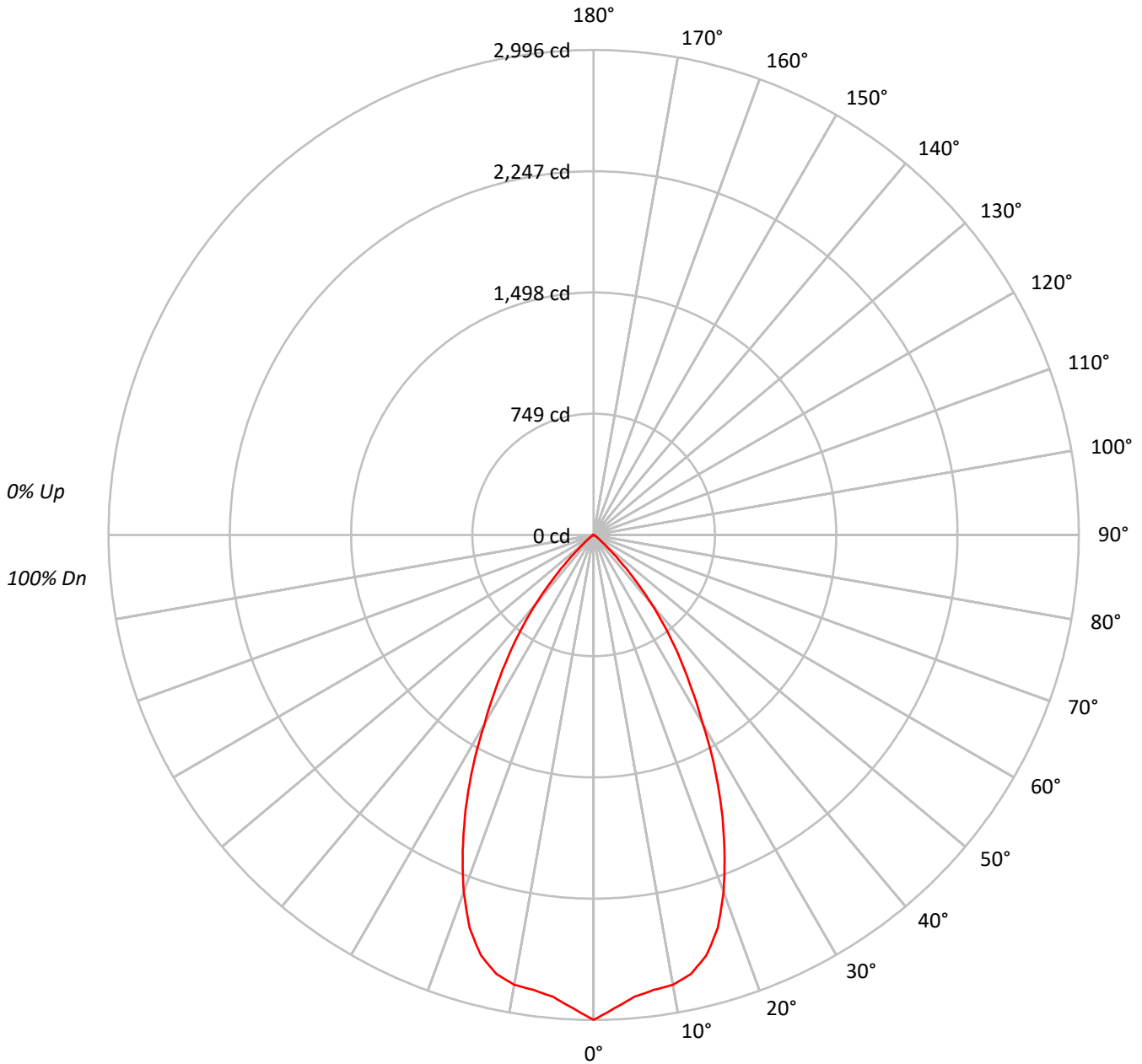
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94					94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87					87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81					81			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75					75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70					70			
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65					65			
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61					61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57					57			
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54					54			
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50					50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	327302
5°	314305
10°	313113
15°	304121
20°	272683
25°	225367
30°	170232
35°	123432
40°	78988
45°	36080
50°	11797
55°	5086
60°	2185
65°	284
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 36080 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	10.2
10°-20°	744.2	27.9
20°-30°	848.1	31.7
30°-40°	577.3	21.6
40°-50°	198.9	7.4
50°-60°	27.5	1.0
60°-70°	2.7	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1865.0	69.8
0°-40°	2442.3	91.4
0°-60°	2668.8	99.9
0°-90°	2671.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2671.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2996	
5°	2866	273
15°	2689	744
25°	1869	848
35°	925	577
45°	234	199
55°	27	27
65°	1	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2995.6
2.5°	2926.9
5°	2865.7
7.5°	2835.6
10°	2822.2
12.5°	2777.7
15°	2688.6
17.5°	2547.2
20°	2345.2
22.5°	2112.1
25°	1869.4
27.5°	1616.6
30°	1349.3
32.5°	1122.9
35°	925.4
37.5°	737.6
40°	553.8
42.5°	383.8
45°	233.5
47.5°	125.8
50°	69.4
52.5°	41.2
55°	26.7
57.5°	17.1
60°	10.0
62.5°	4.5
65°	1.1
67.5°	0.4
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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