

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: P789847

Luminaire Tested: LER6D15D010-EC6DR600215IC9024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789847
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-EC6DR600215IC9024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2239.2 lumens
Efficiency: N/A
Efficacy: 141.7 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

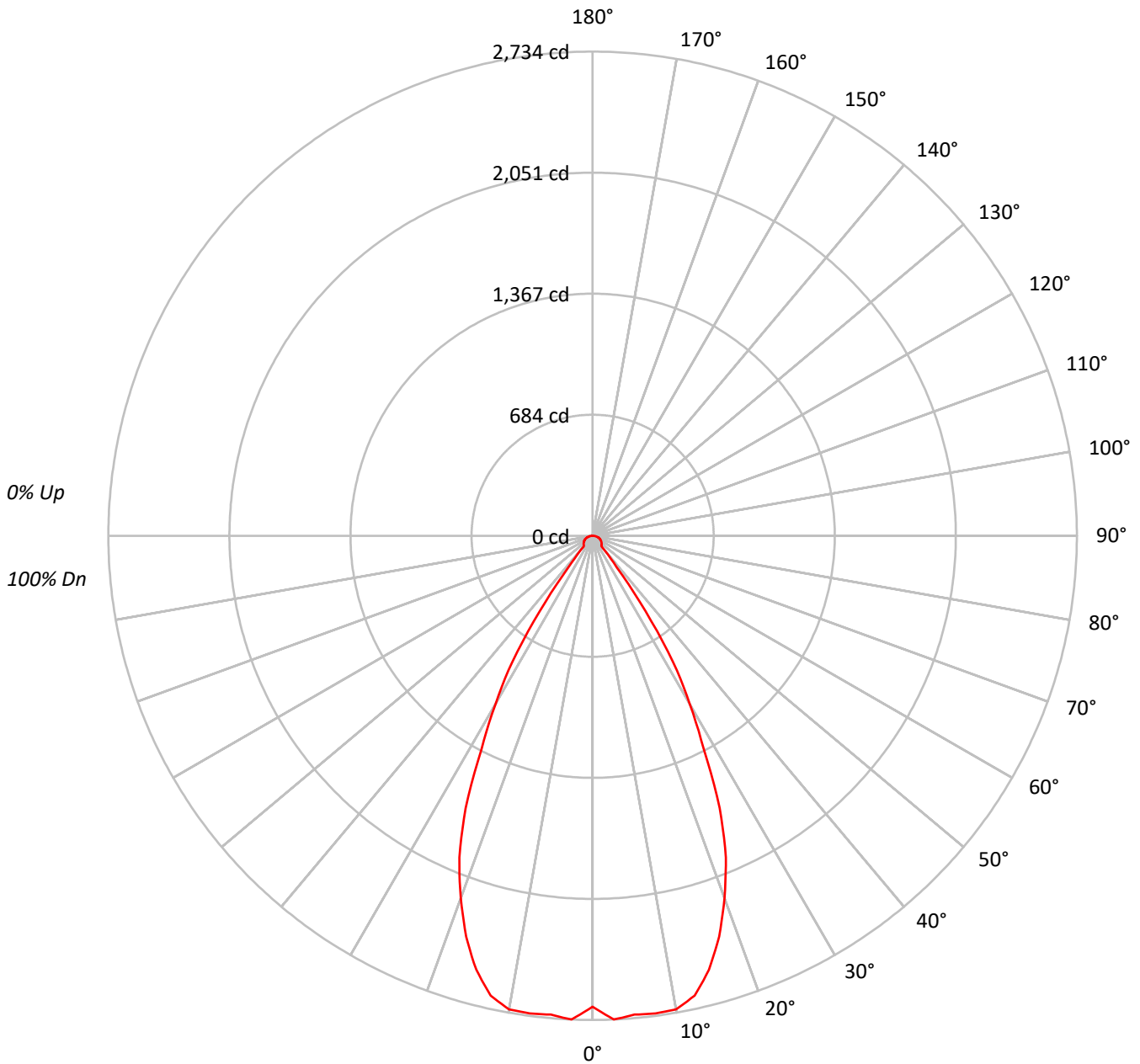
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	290568
5°	297710
10°	301308
15°	287029
20°	253080
25°	204692
30°	138464
35°	69386
40°	11253
45°	11017
50°	11236
55°	11410
60°	11713
65°	11996
70°	12267
75°	12411
80°	11955
85°	10029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 12411 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.4	11.6
10°-20°	701.9	31.3
20°-30°	755.2	33.7
30°-40°	328.3	14.7
40°-50°	55.1	2.5
50°-60°	53.6	2.4
60°-70°	45.9	2.0
70°-80°	30.7	1.4
80°-90°	9.2	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°	1716.5	76.7
0°-40°	2044.8	91.3
0°-60°	2153.5	96.2
0°-90°	2239.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2239.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2659	
5°	2714	259
15°	2538	702
25°	1698	755
35°	520	328
45°	71	55
55°	60	54
65°	46	46
75°	29	31
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2659.4
2.5°	2734.1
5°	2714.4
7.5°	2720.6
10°	2715.8
12.5°	2659.7
15°	2537.5
17.5°	2373.5
20°	2176.6
22.5°	1965.8
25°	1697.9
27.5°	1358.1
30°	1097.5
32.5°	845.8
35°	520.2
37.5°	222.5
40°	78.9
42.5°	72.7
45°	71.3
47.5°	68.9
50°	66.1
52.5°	63.0
55°	59.9
57.5°	56.8
60°	53.6
62.5°	50.2
65°	46.4
67.5°	42.6
70°	38.4
72.5°	33.9
75°	29.4
77.5°	24.2
80°	19.0
82.5°	13.5
85°	8.0
87.5°	2.8
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)