

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: P789871

Luminaire Tested: LER6D15D010-EC6DR600215IC9035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789871
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-EC6DR600215IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2709.5 lumens
Efficiency: N/A
Efficacy: 171.5 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 (Ain): 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

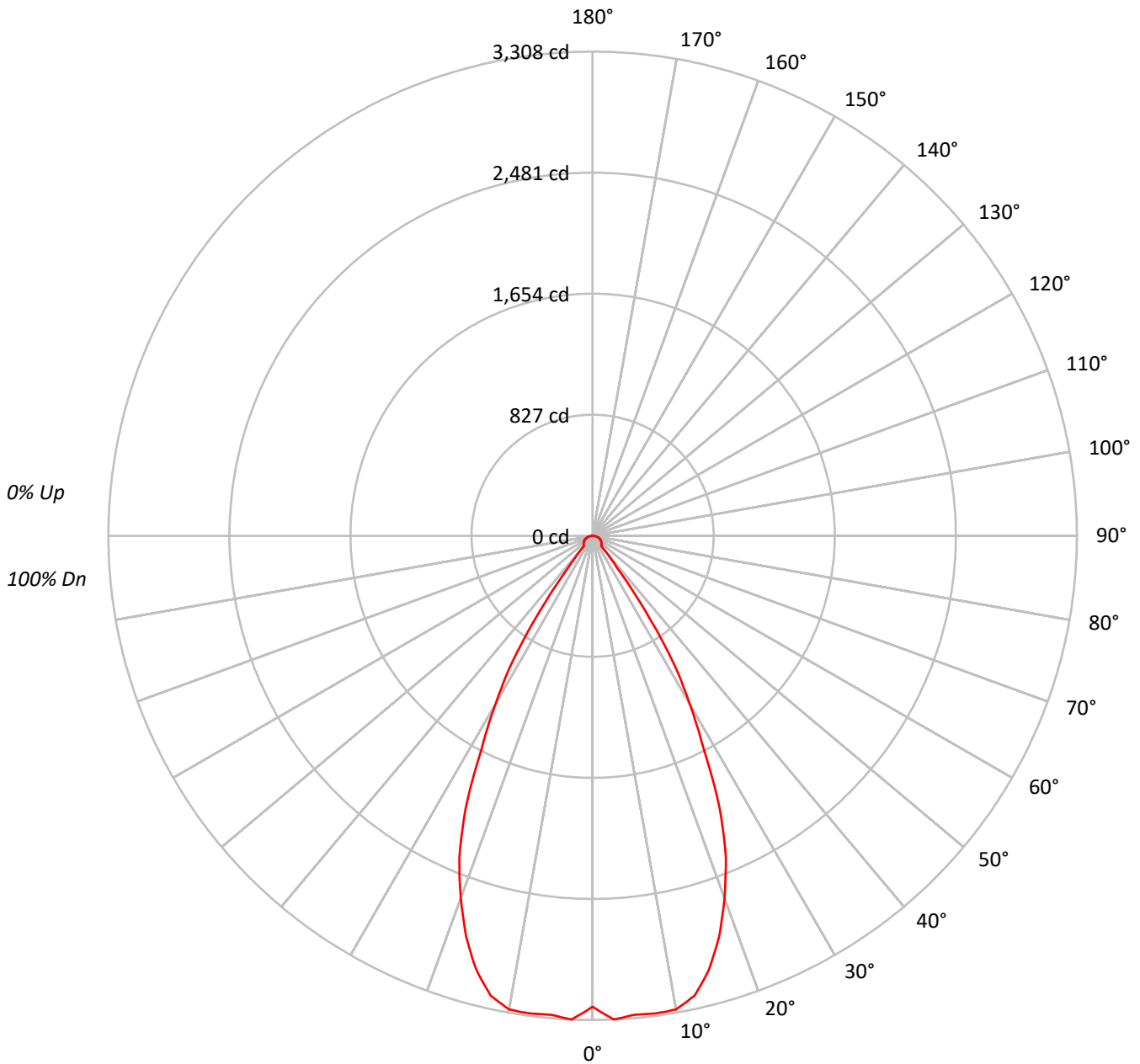


Downlight

TEST NUMBER: P789871

CATALOG NUMBER: LER6D15D010-EC6DR6002151C9035-6LBDP1LI

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20																			
RC	80																			
RW	70	50	30	10	70	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	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°	351590
5°	360238
10°	364592
15°	347320
20°	306228
25°	247694
30°	167545
35°	83951
40°	13621
45°	13335
50°	13598
55°	13791
60°	14182
65°	14504
70°	14855
75°	15029
80°	14472
85°	12035

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 15029 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.9	11.6
10°-20°	849.3	31.3
20°-30°	913.8	33.7
30°-40°	397.2	14.7
40°-50°	66.7	2.5
50°-60°	64.9	2.4
60°-70°	55.5	2.0
70°-80°	37.1	1.4
80°-90°	11.1	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°	2077.0	76.7
0°-40°	2474.3	91.3
0°-60°	2605.8	96.2
0°-90°	2709.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2709.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3218	
5°	3284	314
15°	3070	849
25°	2055	914
35°	629	397
45°	86	67
55°	72	65
65°	56	55
75°	36	37
85°	10	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3217.9
2.5°	3308.4
5°	3284.5
7.5°	3292.1
10°	3286.2
12.5°	3218.4
15°	3070.5
17.5°	2872.0
20°	2633.7
22.5°	2378.7
25°	2054.6
27.5°	1643.3
30°	1328.0
32.5°	1023.5
35°	629.4
37.5°	269.3
40°	95.5
42.5°	87.9
45°	86.3
47.5°	83.3
50°	80.0
52.5°	76.2
55°	72.4
57.5°	68.7
60°	64.9
62.5°	60.7
65°	56.1
67.5°	51.5
70°	46.5
72.5°	41.0
75°	35.6
77.5°	29.3
80°	23.0
82.5°	16.3
85°	9.6
87.5°	3.4
90°	0.0



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

Scaled Data Report



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— 0°-180°

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(END OF REPORT)