

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



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: P789955

Luminaire Tested: LER6D15D010-EC6DR700215IC9030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789955
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-EC6DR700215IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2583.5 lumens
Efficiency: N/A
Efficacy: 163.5 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

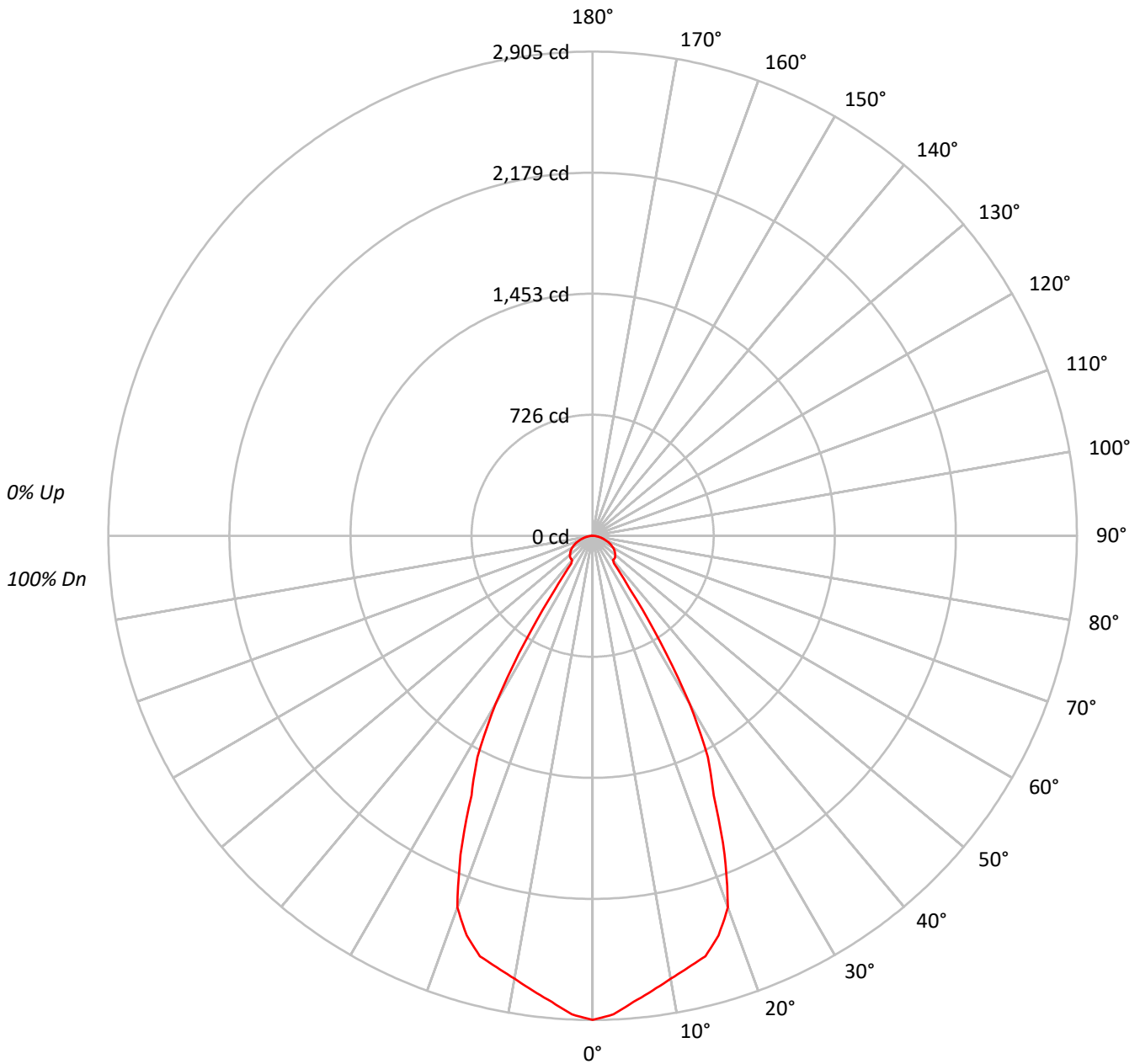


Downlight

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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°	317359
5°	307921
10°	299344
15°	295411
20°	275857
25°	207236
30°	146501
35°	51899
40°	27285
45°	29065
50°	30103
55°	30669
60°	30855
65°	30197
70°	28496
75°	26384
80°	23407
85°	19055

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 30869 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.8	10.3
10°-20°	726.4	28.1
20°-30°	800.0	31.0
30°-40°	305.7	11.8
40°-50°	144.3	5.6
50°-60°	143.5	5.6
60°-70°	114.9	4.4
70°-80°	66.0	2.6
80°-90°	18.0	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°	1791.2	69.3
0°-40°	2096.8	81.2
0°-60°	2384.7	92.3
0°-90°	2583.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2583.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2905	
5°	2808	265
15°	2612	726
25°	1719	800
35°	389	306
45°	188	144
55°	161	144
65°	117	115
75°	62	66
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2904.6
2.5°	2874.2
5°	2807.5
7.5°	2751.9
10°	2698.1
12.5°	2652.6
15°	2611.6
17.5°	2512.8
20°	2372.5
22.5°	2069.9
25°	1719.0
27.5°	1496.4
30°	1161.2
32.5°	750.1
35°	389.1
37.5°	210.2
40°	191.3
42.5°	189.9
45°	188.1
47.5°	184.0
50°	177.1
52.5°	169.2
55°	161.0
57.5°	151.8
60°	141.2
62.5°	129.2
65°	116.8
67.5°	103.0
70°	89.2
72.5°	75.4
75°	62.5
77.5°	49.2
80°	37.2
82.5°	26.2
85°	15.2
87.5°	6.0
90°	0.0

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Scaled Data Report



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— 0°-180°

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(END OF REPORT)