

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: P789599

Luminaire Tested: LER6D15D010-EC6DR300215IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR300215IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2718.2 lumens
Efficiency: N/A
Efficacy: 172.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

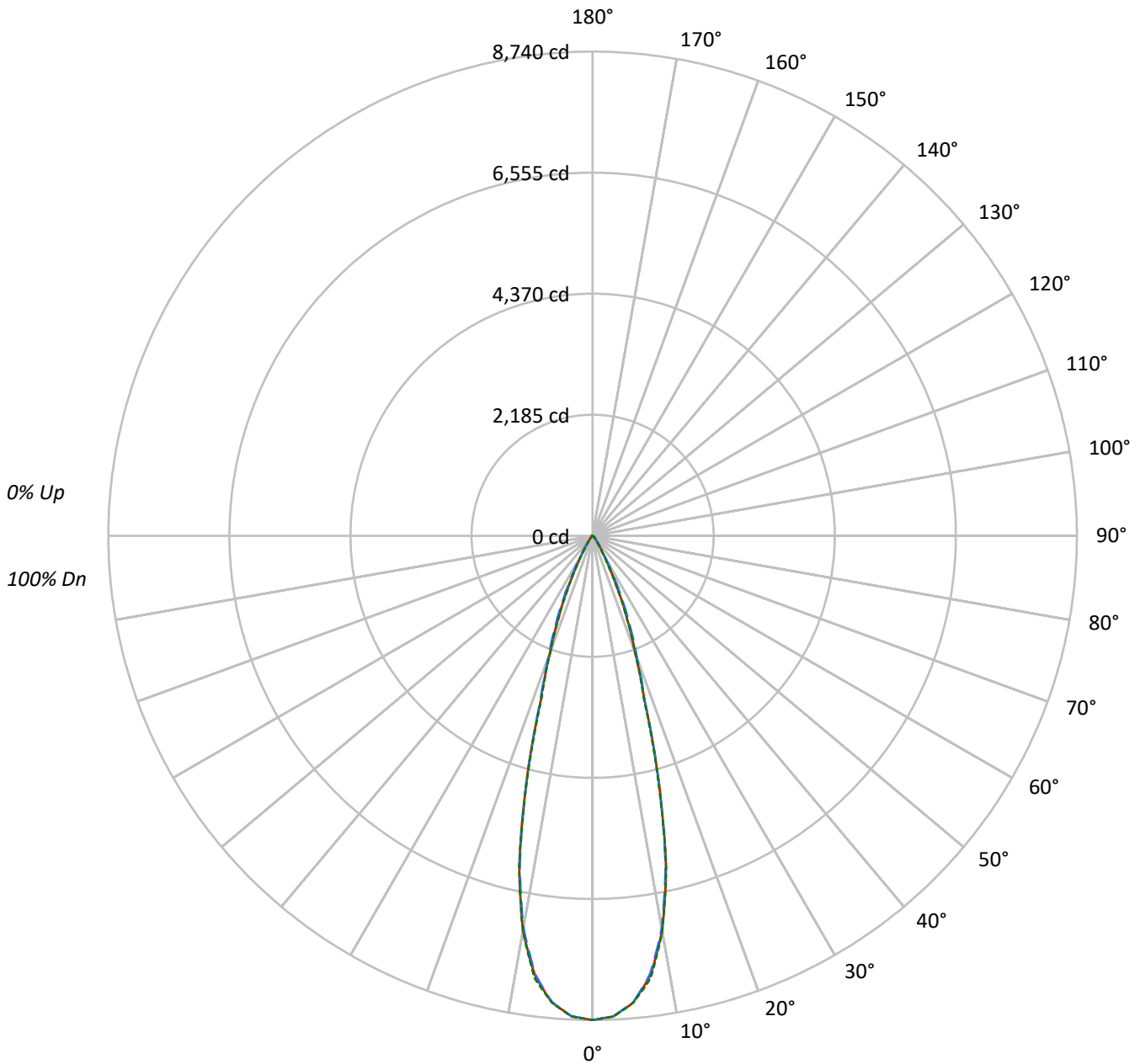


Downlight

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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	669020	669020	669020
5°	649816	649055	649846
10°	562840	558868	562708
15°	367223	365249	363419
20°	182599	189458	182355
25°	91981	103729	90098
30°	36830	40127	32084
35°	17081	16362	13717
40°	7374	8193	6944
45°	5207	6452	5250
50°	1786	4704	1893
55°	1028	1948	1094
60°	720	857	720
65°	471	471	471
70°	291	201	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 6452 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	768.6	28.3
10°-20°	1237.8	45.5
20°-30°	534.9	19.7
30°-40°	121.9	4.5
40°-50°	41.9	1.5
50°-60°	10.2	0.4
60°-70°	2.7	0.1
70°-80°	0.3	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°	2541.3	93.5
0°-40°	2663.2	98.0
0°-60°	2715.3	99.9
0°-90°	2718.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2718.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8740	8740	8740	8740	8740	
5°	8457	8449	8447	8465	8458	769
15°	4634	4578	4609	4594	4586	1241
25°	1089	1130	1228	1102	1067	521
35°	183	187	175	174	147	124
45°	48	60	60	60	48	34
55°	8	8	15	9	8	8
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8740.4	8740.4	8740.4	8740.4	8740.4
2.5°	8682.5	8676.5	8679.9	8684.2	8685.9
5°	8457.2	8449.0	8447.3	8464.9	8457.6
7.5°	8002.8	7991.2	7973.6	8013.5	8050.8
10°	7241.5	7228.6	7190.4	7209.3	7239.8
12.5°	6117.6	6076.0	6075.1	6135.2	6127.0
15°	4634.1	4578.3	4609.2	4594.2	4586.1
17.5°	3116.3	3094.8	3136.0	3123.6	3070.0
20°	2241.7	2247.3	2325.9	2286.4	2238.7
22.5°	1635.8	1656.0	1749.1	1647.4	1610.1
25°	1089.1	1130.3	1228.2	1101.6	1066.8
27.5°	669.9	688.7	787.9	661.3	642.4
30°	416.7	407.2	454.0	389.6	363.0
32.5°	273.4	261.3	276.4	248.0	226.6
35°	182.8	186.7	175.1	173.8	146.8
37.5°	114.1	131.3	115.9	123.6	94.4
40°	73.8	95.3	82.0	90.5	69.5
42.5°	60.5	73.4	67.4	71.7	61.8
45°	48.1	59.6	59.6	59.6	48.5
47.5°	26.6	39.9	51.1	40.8	28.3
50°	15.0	20.2	39.5	21.0	15.9
52.5°	10.3	11.6	27.0	12.0	10.7
55°	7.7	8.2	14.6	8.6	8.2
57.5°	6.0	6.4	7.7	6.4	6.0
60°	4.7	4.7	5.6	5.1	4.7
62.5°	3.4	3.4	3.9	3.4	3.4
65°	2.6	2.6	2.6	2.6	2.6
67.5°	1.3	1.7	1.7	1.7	1.7
70°	1.3	0.9	0.9	0.9	1.3
72.5°	0.9	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)