

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: P789594

Luminaire Tested: LER6D15D010-EC6DR300215IC9040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789594
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-EC6DR300215IC9040-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2079.0 lumens
Efficiency: N/A
Efficacy: 131.6 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

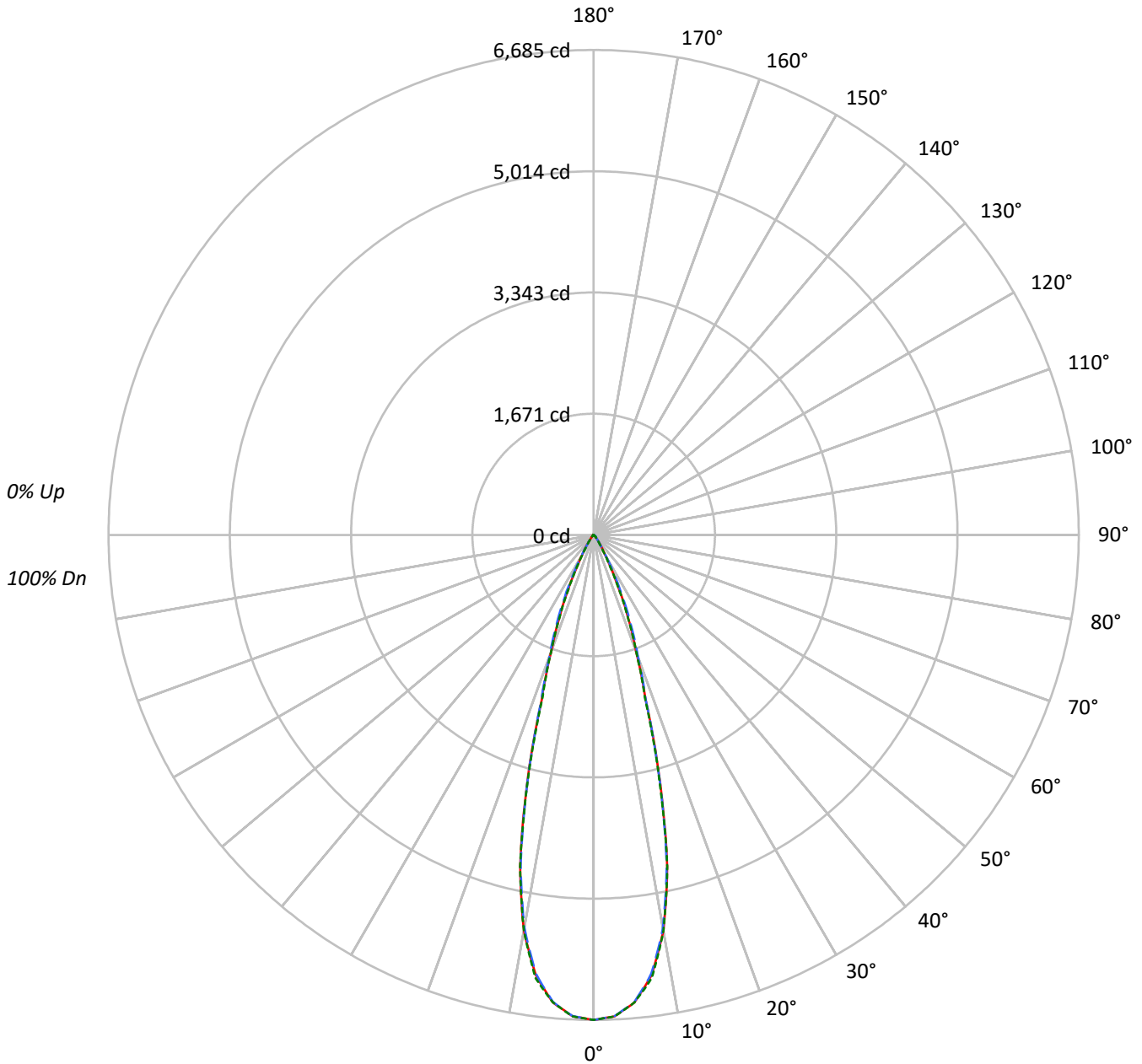
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789594
CATALOG NUMBER: LER6D15D010-EC6DR300215IC9040-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P789594

CATALOG NUMBER: LER6D15D010-EC6DR300215IC9040-6LBDP1B

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°	511693	511693	511693
5°	497005	496421	497028
10°	430483	427444	430382
15°	280871	279357	277955
20°	139664	144902	139477
25°	70352	79330	68908
30°	28168	30687	24544
35°	13063	12512	10484
40°	5645	6265	5316
45°	3984	4936	4016
50°	1369	3596	1441
55°	787	1495	827
60°	551	658	551
65°	362	362	362
70°	224	157	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4936 cd/sqm



TEST NUMBER: P789594

CATALOG NUMBER: LER6D15D010-EC6DR300215IC9040-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.8	28.3
10°-20°	946.7	45.5
20°-30°	409.1	19.7
30°-40°	93.2	4.5
40°-50°	32.0	1.5
50°-60°	7.8	0.4
60°-70°	2.0	0.1
70°-80°	0.2	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°	1943.7	93.5
0°-40°	2036.9	98.0
0°-60°	2076.8	99.9
0°-90°	2079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6685	6685	6685	6685	6685	
5°	6468	6462	6461	6474	6469	588
15°	3544	3502	3525	3514	3508	949
25°	833	864	939	842	816	399
35°	140	143	134	133	112	95
45°	37	46	46	46	37	26
55°	6	6	11	7	6	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P789594

CATALOG NUMBER: LER6D15D010-EC6DR300215IC9040-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6685.0	6685.0	6685.0	6685.0	6685.0
2.5°	6640.7	6636.1	6638.7	6642.0	6643.3
5°	6468.4	6462.2	6460.8	6474.3	6468.7
7.5°	6120.8	6111.9	6098.5	6129.0	6157.6
10°	5538.6	5528.7	5499.5	5513.9	5537.3
12.5°	4679.0	4647.1	4646.5	4692.4	4686.2
15°	3544.4	3501.7	3525.3	3513.8	3507.6
17.5°	2383.5	2367.1	2398.6	2389.0	2348.0
20°	1714.6	1718.8	1778.9	1748.7	1712.3
22.5°	1251.1	1266.6	1337.8	1260.0	1231.4
25°	833.0	864.5	939.3	842.5	815.9
27.5°	512.3	526.8	602.6	505.8	491.3
30°	318.7	311.5	347.2	298.0	277.7
32.5°	209.1	199.9	211.4	189.7	173.3
35°	139.8	142.8	133.9	132.9	112.2
37.5°	87.3	100.4	88.6	94.5	72.2
40°	56.5	72.9	62.7	69.3	53.2
42.5°	46.3	56.1	51.5	54.8	47.3
45°	36.8	45.6	45.6	45.6	37.1
47.5°	20.3	30.5	39.1	31.2	21.7
50°	11.5	15.4	30.2	16.1	12.1
52.5°	7.9	8.9	20.7	9.2	8.2
55°	5.9	6.2	11.2	6.6	6.2
57.5°	4.6	4.9	5.9	4.9	4.6
60°	3.6	3.6	4.3	3.9	3.6
62.5°	2.6	2.6	3.0	2.6	2.6
65°	2.0	2.0	2.0	2.0	2.0
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.7	0.7	0.7	1.0
72.5°	0.7	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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

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

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)