

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: P788344

Luminaire Tested: LER6D08D010-EC6DR300210IC9035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788344
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: LER6D08D010-EC6DR300210IC9035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1398.8 lumens
Efficiency: N/A
Efficacy: 157.2 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): 8.9
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

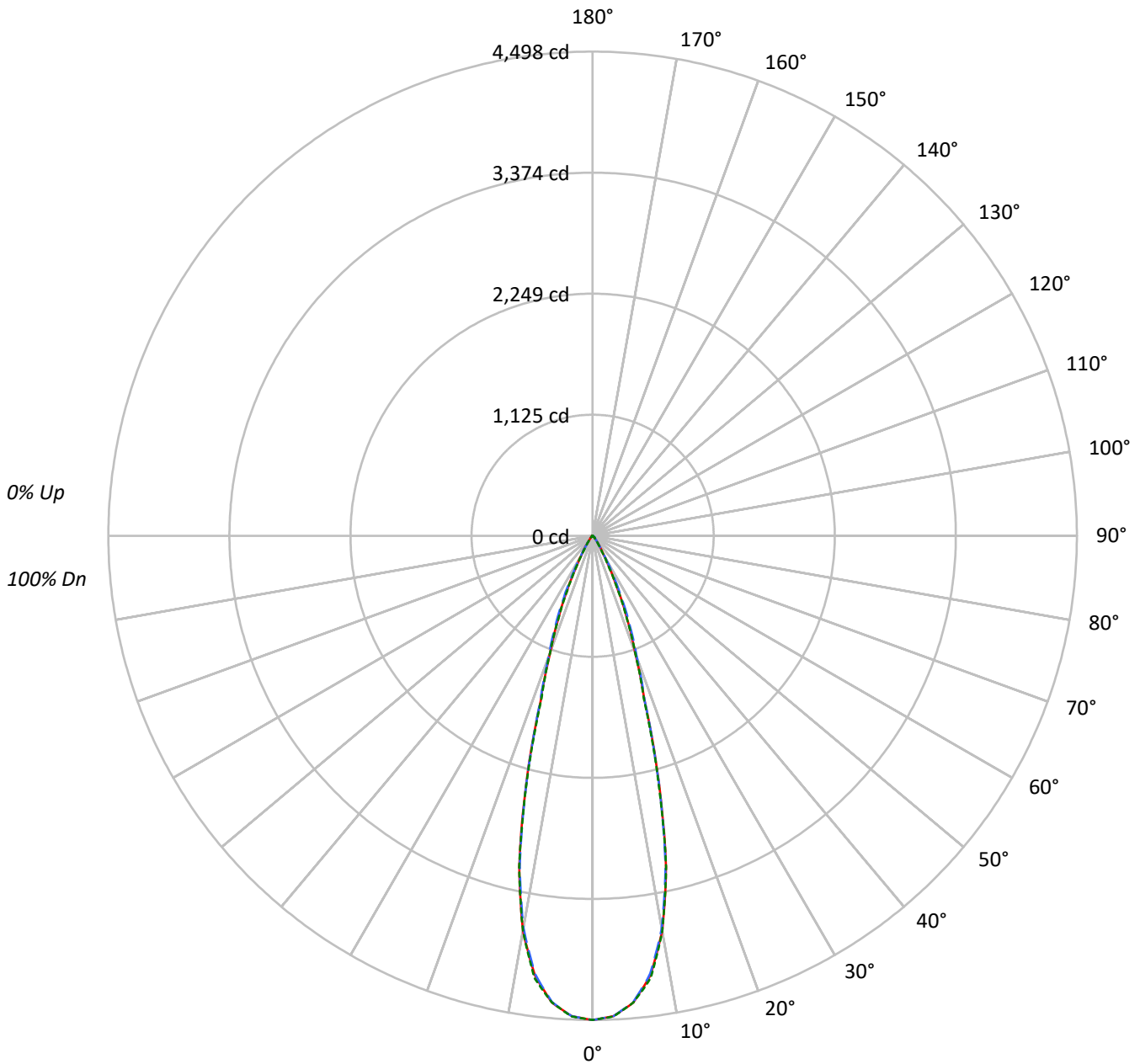


Downlight

TEST NUMBER: P788344

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P788344

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBDP1H

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°	344285	344285	344285
5°	334397	334013	334420
10°	289639	287603	289569
15°	188980	187966	187015
20°	93967	97494	93845
25°	47338	53376	46367
30°	18950	20647	16510
35°	8793	8419	7055
40°	3797	4217	3577
45°	2674	3323	2706
50°	917	2417	976
55°	534	1001	560
60°	367	444	367
65°	235	235	235
70°	157	90	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3323 cd/sqm



TEST NUMBER: P788344

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.5	28.3
10°-20°	637.0	45.5
20°-30°	275.3	19.7
30°-40°	62.7	4.5
40°-50°	21.5	1.5
50°-60°	5.3	0.4
60°-70°	1.4	0.1
70°-80°	0.1	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°	1307.8	93.5
0°-40°	1370.5	98.0
0°-60°	1397.3	99.9
0°-90°	1398.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4498	4498	4498	4498	4498	
5°	4352	4348	4347	4356	4352	396
15°	2385	2356	2372	2364	2360	639
25°	560	582	632	567	549	268
35°	94	96	90	89	76	64
45°	25	31	31	31	25	18
55°	4	4	8	4	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P788344

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4497.9	4497.9	4497.9	4497.9	4497.9
2.5°	4468.1	4465.0	4466.8	4469.0	4469.9
5°	4352.1	4348.0	4347.1	4356.1	4352.4
7.5°	4118.3	4112.3	4103.3	4123.8	4143.0
10°	3726.5	3719.9	3700.3	3710.0	3725.6
12.5°	3148.2	3126.8	3126.3	3157.2	3153.0
15°	2384.8	2356.1	2372.0	2364.2	2360.0
17.5°	1603.7	1592.6	1613.8	1607.4	1579.8
20°	1153.6	1156.5	1196.9	1176.6	1152.1
22.5°	841.8	852.2	900.1	847.8	828.6
25°	560.5	581.7	632.0	566.9	549.0
27.5°	344.7	354.4	405.4	340.3	330.6
30°	214.4	209.6	233.6	200.5	186.8
32.5°	140.7	134.5	142.2	127.6	116.6
35°	94.1	96.1	90.1	89.4	75.5
37.5°	58.7	67.6	59.6	63.6	48.6
40°	38.0	49.0	42.2	46.6	35.8
42.5°	31.1	37.8	34.7	36.9	31.8
45°	24.7	30.7	30.7	30.7	25.0
47.5°	13.7	20.5	26.3	21.0	14.6
50°	7.7	10.4	20.3	10.8	8.2
52.5°	5.3	6.0	13.9	6.2	5.5
55°	4.0	4.2	7.5	4.4	4.2
57.5°	3.1	3.3	4.0	3.3	3.1
60°	2.4	2.4	2.9	2.6	2.4
62.5°	1.8	1.8	2.0	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.4	0.4	0.4	0.7
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)