

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: P788959

Luminaire Tested: LER6D10D010-EC6DR300210IC9030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788959
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: LER6D10D010-EC6DR300210IC9030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1426.2 lumens
Efficiency: N/A
Efficacy: 121.9 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): 11.7
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

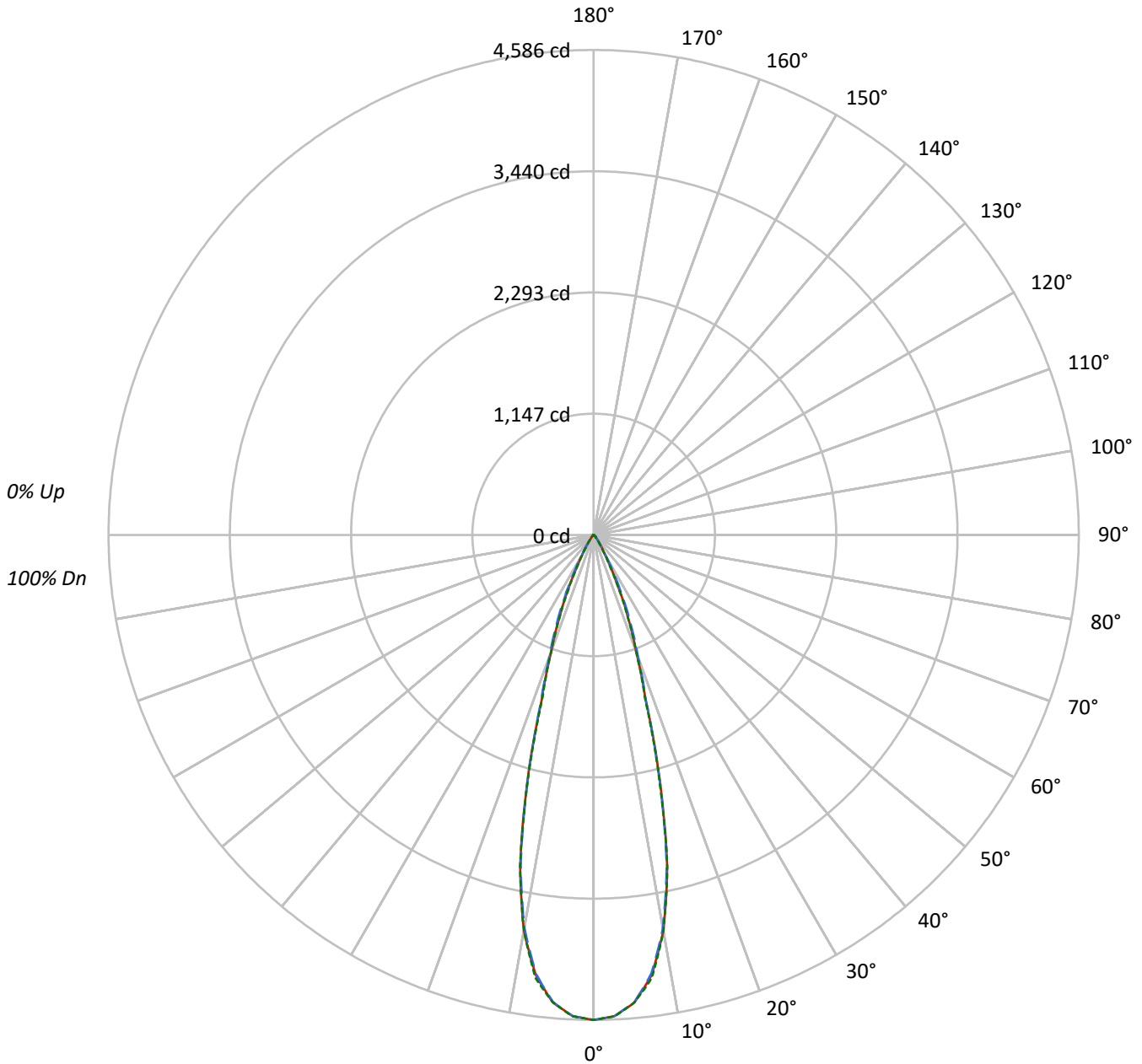


Downlight

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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°	351013	351013	351013
5°	340936	340536	340951
10°	295305	293222	295235
15°	192673	191635	190676
20°	95808	99400	95678
25°	48258	54424	47270
30°	19321	21053	16837
35°	8961	8587	7195
40°	3867	4297	3647
45°	2728	3388	2750
50°	941	2465	988
55°	547	1028	574
60°	383	444	383
65°	254	254	254
70°	157	112	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: 3388 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.3	28.3
10°-20°	649.4	45.5
20°-30°	280.6	19.7
30°-40°	64.0	4.5
40°-50°	22.0	1.5
50°-60°	5.4	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°	1333.3	93.5
0°-40°	1397.3	98.0
0°-60°	1424.6	99.9
0°-90°	1426.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1426.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4586	4586	4586	4586	4586	
5°	4437	4433	4432	4441	4437	404
15°	2431	2402	2418	2410	2406	651
25°	571	593	644	578	560	274
35°	96	98	92	91	77	65
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4585.8	4585.8	4585.8	4585.8	4585.8
2.5°	4555.4	4552.3	4554.1	4556.3	4557.2
5°	4437.2	4432.9	4432.0	4441.3	4437.4
7.5°	4198.8	4192.7	4183.5	4204.4	4224.0
10°	3799.4	3792.6	3772.6	3782.5	3798.5
12.5°	3209.7	3187.9	3187.4	3218.9	3214.7
15°	2431.4	2402.1	2418.3	2410.4	2406.2
17.5°	1635.0	1623.8	1645.4	1638.9	1610.7
20°	1176.2	1179.1	1220.3	1199.6	1174.6
22.5°	858.3	868.8	917.7	864.3	844.8
25°	571.4	593.0	644.4	578.0	559.7
27.5°	351.5	361.4	413.4	347.0	337.0
30°	218.6	213.7	238.2	204.4	190.5
32.5°	143.4	137.1	145.0	130.1	118.9
35°	95.9	97.9	91.9	91.2	77.0
37.5°	59.9	68.9	60.8	64.8	49.5
40°	38.7	50.0	43.0	47.5	36.5
42.5°	31.7	38.5	35.3	37.6	32.4
45°	25.2	31.3	31.3	31.3	25.4
47.5°	14.0	20.9	26.8	21.4	14.9
50°	7.9	10.6	20.7	11.0	8.3
52.5°	5.4	6.1	14.2	6.3	5.6
55°	4.1	4.3	7.7	4.5	4.3
57.5°	3.2	3.4	4.1	3.4	3.2
60°	2.5	2.5	2.9	2.7	2.5
62.5°	1.8	1.8	2.0	1.8	1.8
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	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



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Scaled Data Report





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

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