

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: P794608

Luminaire Tested: LER6D60D010-EC6DR7055659030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794608
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: LER6D60D010-EC6DR7055659030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 7227.3 lumens
Efficiency: N/A
Efficacy: 112.2 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

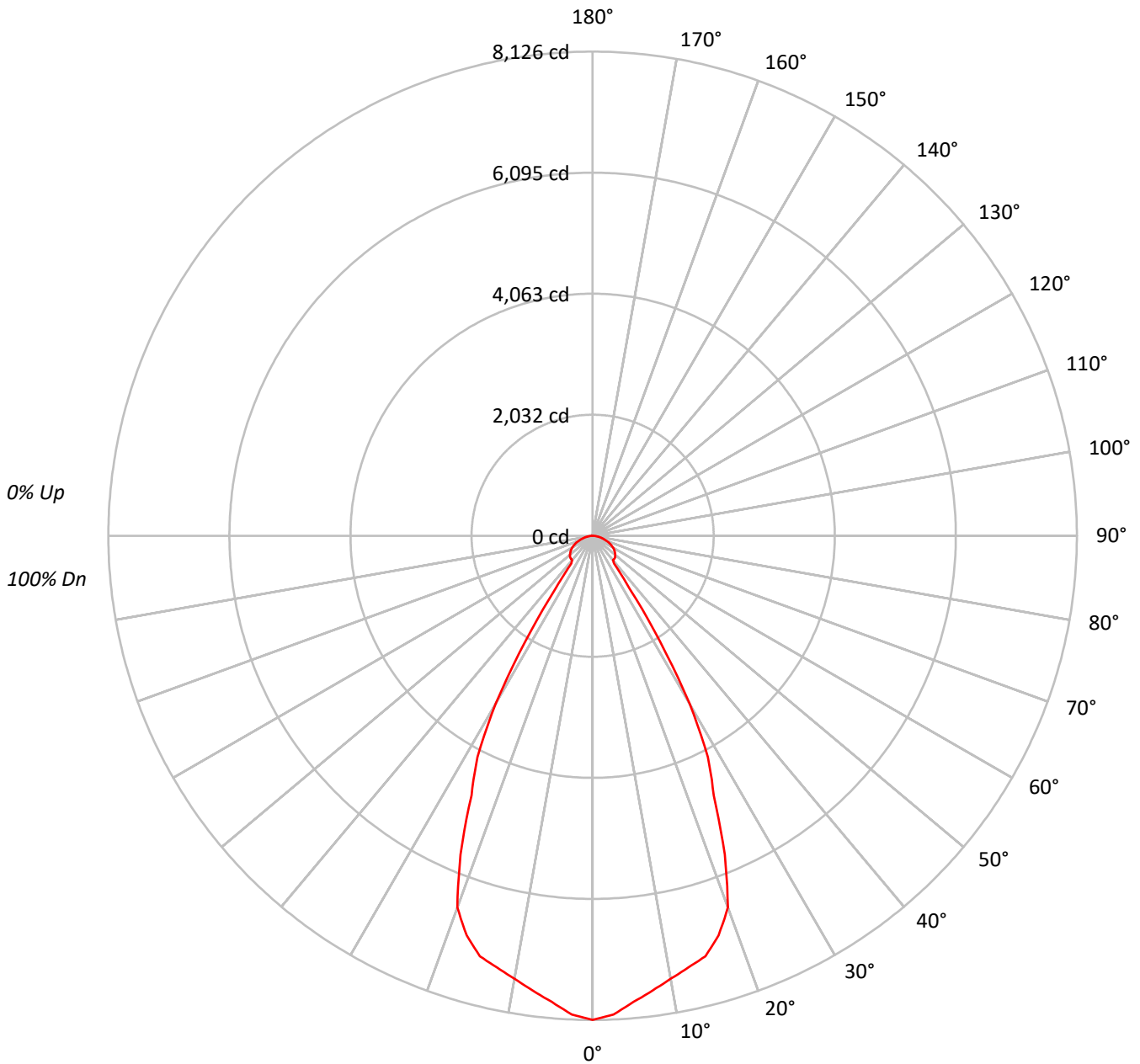
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0
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°	887798
5°	861423
10°	837411
15°	826419
20°	771715
25°	579741
30°	409829
35°	145174
40°	76335
45°	81307
50°	84191
55°	85778
60°	86316
65°	84489
70°	79736
75°	73876
80°	65563
85°	53279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 86323 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	740.8	10.3
10°-20°	2032.0	28.1
20°-30°	2238.0	31.0
30°-40°	855.1	11.8
40°-50°	403.7	5.6
50°-60°	401.4	5.6
60°-70°	321.4	4.4
70°-80°	184.7	2.6
80°-90°	50.2	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°	5010.8	69.3
0°-40°	5865.9	81.2
0°-60°	6671.0	92.3
0°-90°	7227.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7227.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8126	
5°	7854	741
15°	7306	2032
25°	4809	2238
35°	1088	855
45°	526	404
55°	450	401
65°	327	321
75°	175	185
85°	42	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8125.5
2.5°	8040.6
5°	7854.1
7.5°	7698.4
10°	7547.9
12.5°	7420.5
15°	7306.0
17.5°	7029.4
20°	6637.1
22.5°	5790.5
25°	4808.9
27.5°	4186.3
30°	3248.4
32.5°	2098.3
35°	1088.4
37.5°	587.9
40°	535.2
42.5°	531.3
45°	526.2
47.5°	514.6
50°	495.3
52.5°	473.4
55°	450.3
57.5°	424.5
60°	395.0
62.5°	361.5
65°	326.8
67.5°	288.2
70°	249.6
72.5°	211.0
75°	175.0
77.5°	137.7
80°	104.2
82.5°	73.3
85°	42.5
87.5°	16.7
90°	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

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— 0°-180°

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