

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: P789362

Luminaire Tested: LER6D10D010-EC6DR700210IC9040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789362
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: LER6D10D010-EC6DR700210IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1551.7 lumens
Efficiency: N/A
Efficacy: 132.6 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): 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

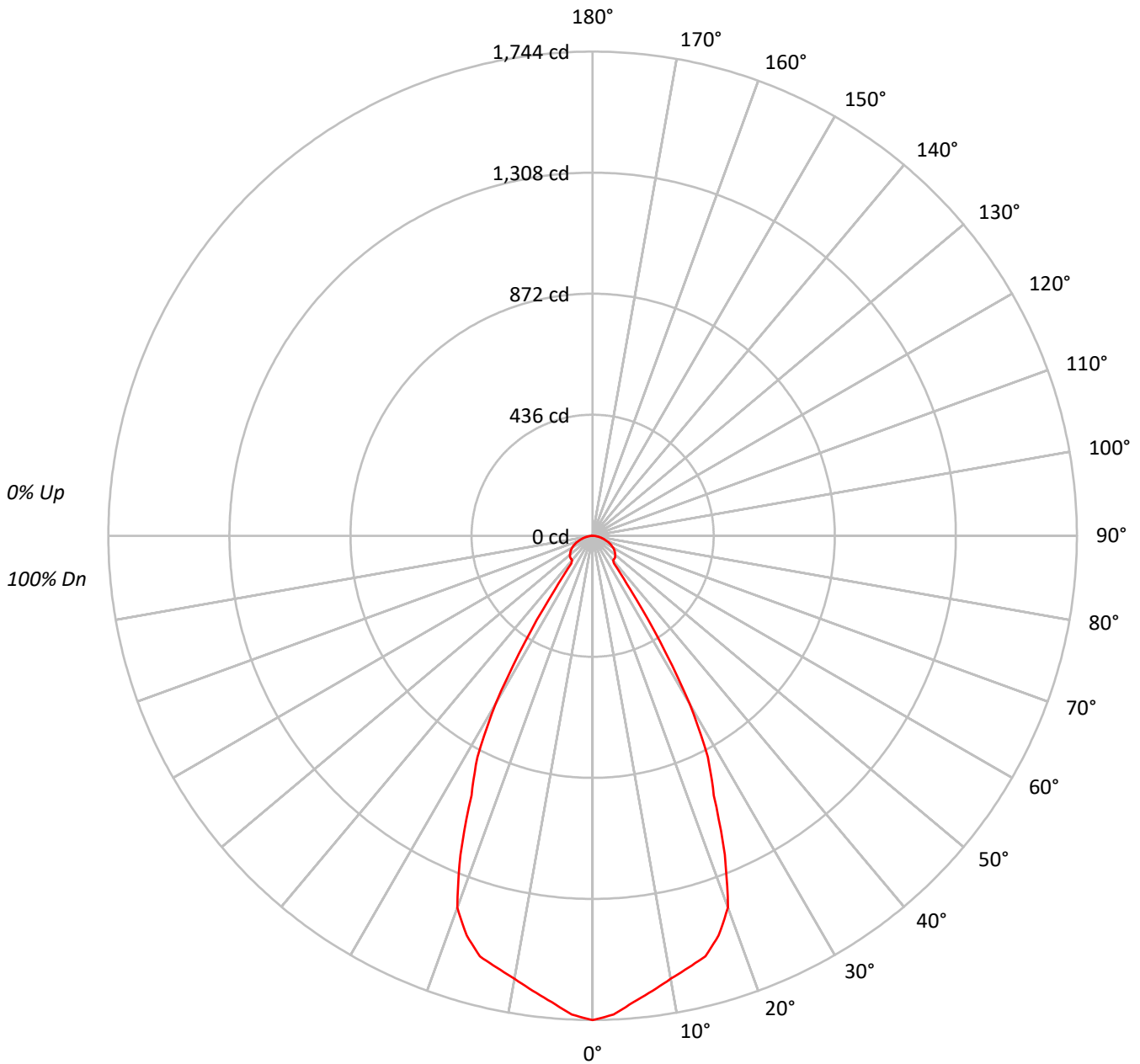


Downlight

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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	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°	190605
5°	184939
10°	179788
15°	177421
20°	165677
25°	124462
30°	87986
35°	31172
40°	16388
45°	17461
50°	18069
55°	18420
60°	18531
65°	18149
70°	17123
75°	15873
80°	14094
85°	11408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 18531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.0	10.3
10°-20°	436.2	28.1
20°-30°	480.5	31.0
30°-40°	183.6	11.8
40°-50°	86.7	5.6
50°-60°	86.2	5.6
60°-70°	69.0	4.4
70°-80°	39.7	2.6
80°-90°	10.8	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°	1075.8	69.3
0°-40°	1259.3	81.2
0°-60°	1432.2	92.3
0°-90°	1551.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1551.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1744	
5°	1686	159
15°	1568	436
25°	1032	480
35°	234	184
45°	113	87
55°	97	86
65°	70	69
75°	38	40
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1744.5
2.5°	1726.2
5°	1686.2
7.5°	1652.8
10°	1620.5
12.5°	1593.1
15°	1568.5
17.5°	1509.1
20°	1424.9
22.5°	1243.2
25°	1032.4
27.5°	898.7
30°	697.4
32.5°	450.5
35°	233.7
37.5°	126.2
40°	114.9
42.5°	114.1
45°	113.0
47.5°	110.5
50°	106.3
52.5°	101.6
55°	96.7
57.5°	91.1
60°	84.8
62.5°	77.6
65°	70.2
67.5°	61.9
70°	53.6
72.5°	45.3
75°	37.6
77.5°	29.6
80°	22.4
82.5°	15.7
85°	9.1
87.5°	3.6
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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(END OF REPORT)