

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: P790602

Luminaire Tested: LER6D20D010-EC6DR7020359050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790602
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: LER6D20D010-EC6DR7020359050-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2829.2 lumens
Efficiency: N/A
Efficacy: 122.5 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

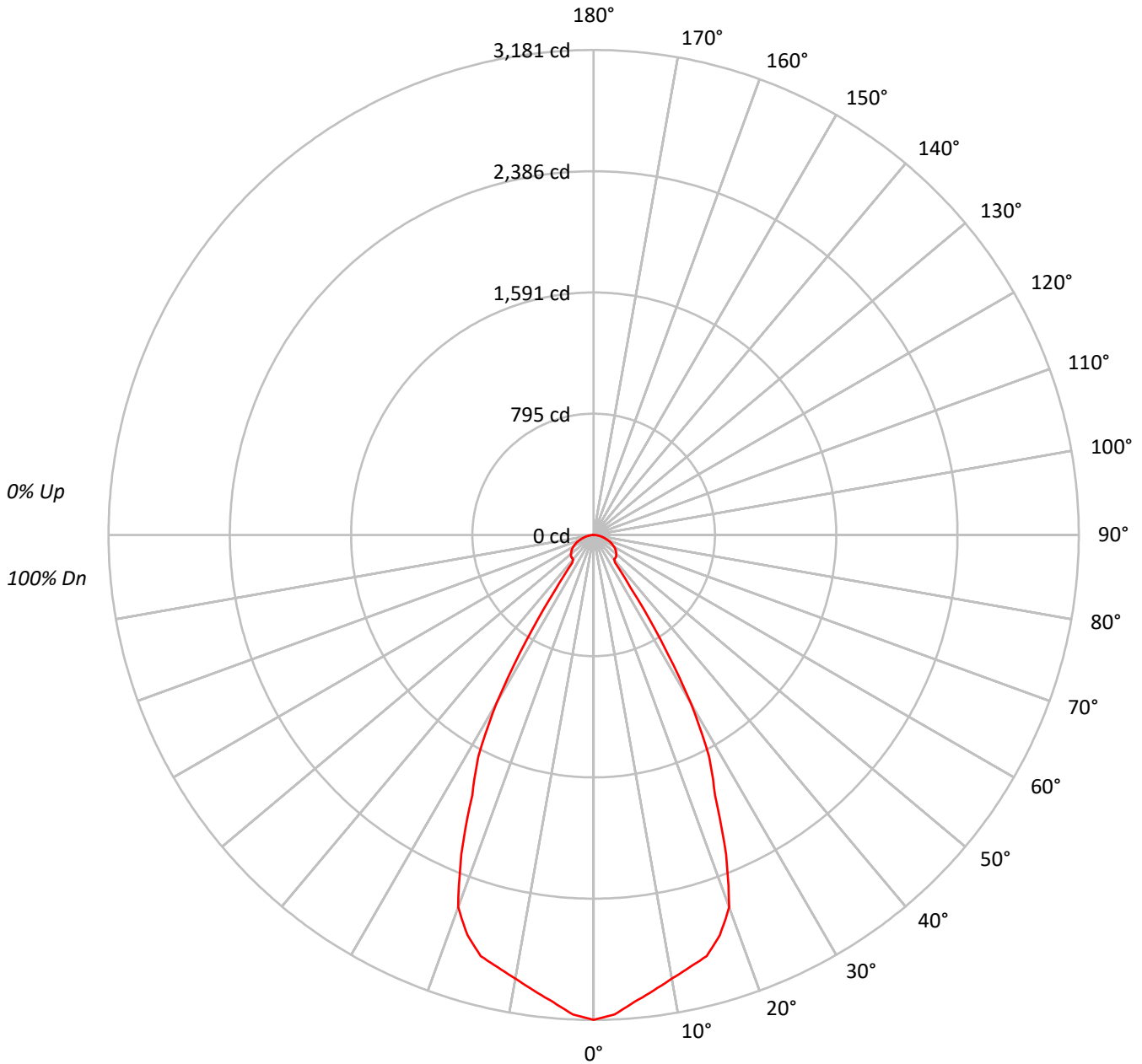
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	347537
5°	337216
10°	327813
15°	323509
20°	302089
25°	226946
30°	160429
35°	56834
40°	29881
45°	31831
50°	32959
55°	33583
60°	33783
65°	33066
70°	31211
75°	28917
80°	25672
85°	20810

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 33797 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	10.3
10°-20°	795.4	28.1
20°-30°	876.1	31.0
30°-40°	334.7	11.8
40°-50°	158.0	5.6
50°-60°	157.1	5.6
60°-70°	125.8	4.4
70°-80°	72.3	2.6
80°-90°	19.6	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°	1961.5	69.3
0°-40°	2296.3	81.2
0°-60°	2611.4	92.3
0°-90°	2829.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2829.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3181	
5°	3075	290
15°	2860	795
25°	1882	876
35°	426	335
45°	206	158
55°	176	157
65°	128	126
75°	68	72
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3180.8
2.5°	3147.6
5°	3074.6
7.5°	3013.6
10°	2954.7
12.5°	2904.8
15°	2860.0
17.5°	2751.7
20°	2598.1
22.5°	2266.8
25°	1882.5
27.5°	1638.8
30°	1271.6
32.5°	821.4
35°	426.1
37.5°	230.2
40°	209.5
42.5°	208.0
45°	206.0
47.5°	201.4
50°	193.9
52.5°	185.3
55°	176.3
57.5°	166.2
60°	154.6
62.5°	141.5
65°	127.9
67.5°	112.8
70°	97.7
72.5°	82.6
75°	68.5
77.5°	53.9
80°	40.8
82.5°	28.7
85°	16.6
87.5°	6.5
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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