

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: P790562

Luminaire Tested: LER6D20D010-EC6DR7020359024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790562
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-EC6DR7020359024-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2302.3 lumens
Efficiency: N/A
Efficacy: 99.7 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

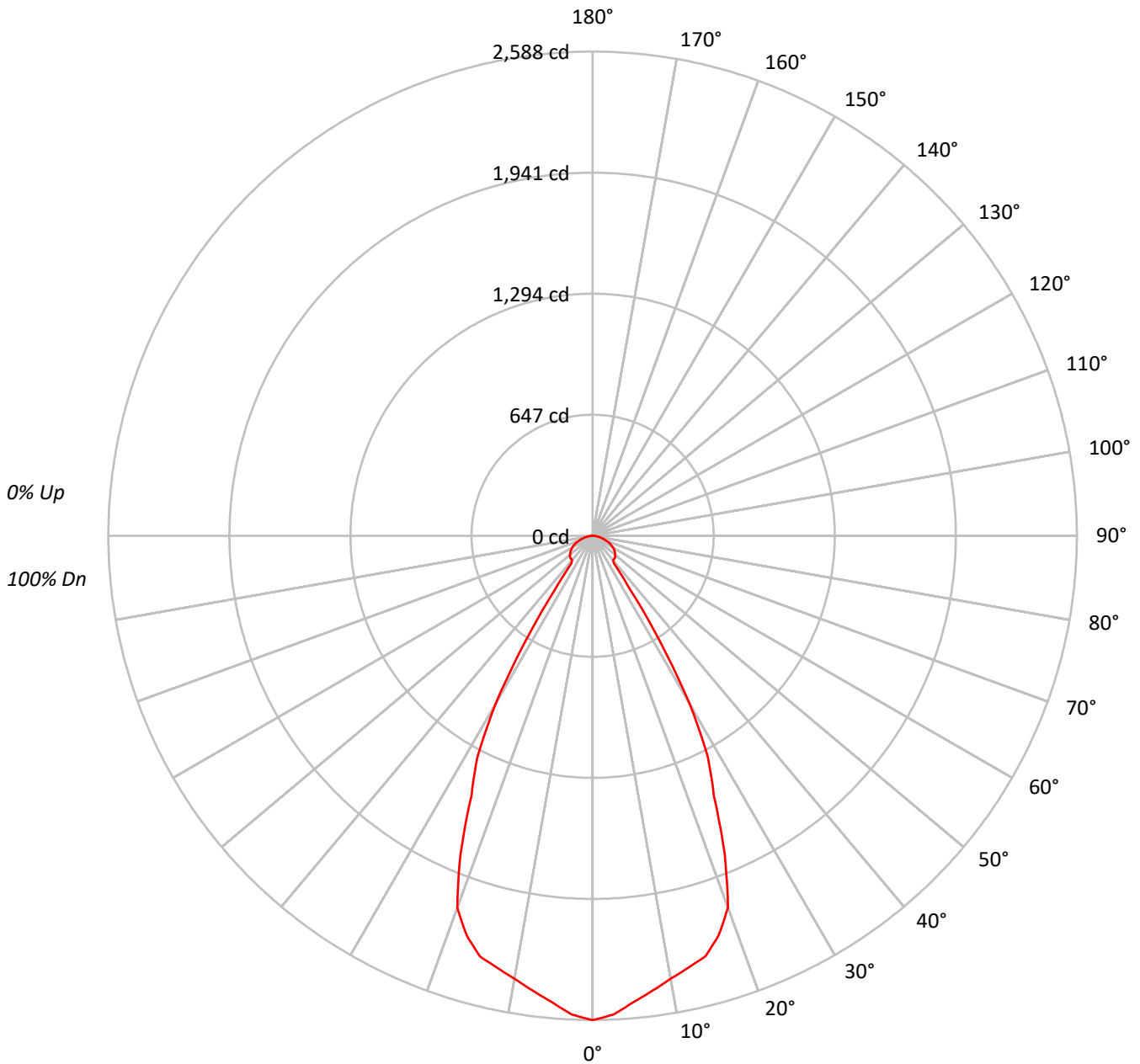
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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
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°	282821
5°	274415
10°	266770
15°	263264
20°	245836
25°	184692
30°	130554
35°	46244
40°	24318
45°	25897
50°	26823
55°	27316
60°	27490
65°	26913
70°	25397
75°	23514
80°	20890
85°	16924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 27493 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	10.3
10°-20°	647.3	28.1
20°-30°	712.9	31.0
30°-40°	272.4	11.8
40°-50°	128.6	5.6
50°-60°	127.8	5.6
60°-70°	102.4	4.4
70°-80°	58.8	2.6
80°-90°	16.0	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°	1596.3	69.3
0°-40°	1868.6	81.2
0°-60°	2125.1	92.3
0°-90°	2302.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2302.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2588	
5°	2502	236
15°	2327	647
25°	1532	713
35°	347	272
45°	168	129
55°	143	128
65°	104	102
75°	56	59
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2588.5
2.5°	2561.4
5°	2502.0
7.5°	2452.4
10°	2404.5
12.5°	2363.9
15°	2327.4
17.5°	2239.3
20°	2114.3
22.5°	1844.7
25°	1532.0
27.5°	1333.6
30°	1034.8
32.5°	668.4
35°	346.7
37.5°	187.3
40°	170.5
42.5°	169.3
45°	167.6
47.5°	163.9
50°	157.8
52.5°	150.8
55°	143.4
57.5°	135.2
60°	125.8
62.5°	115.2
65°	104.1
67.5°	91.8
70°	79.5
72.5°	67.2
75°	55.7
77.5°	43.9
80°	33.2
82.5°	23.4
85°	13.5
87.5°	5.3
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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