

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: P790576

Luminaire Tested: LER6D20D010-EC6DR7020359030-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790576
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-EC6DR7020359030-6LBDP1H
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: 3378.6 lumens
Efficiency: N/A
Efficacy: 146.3 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

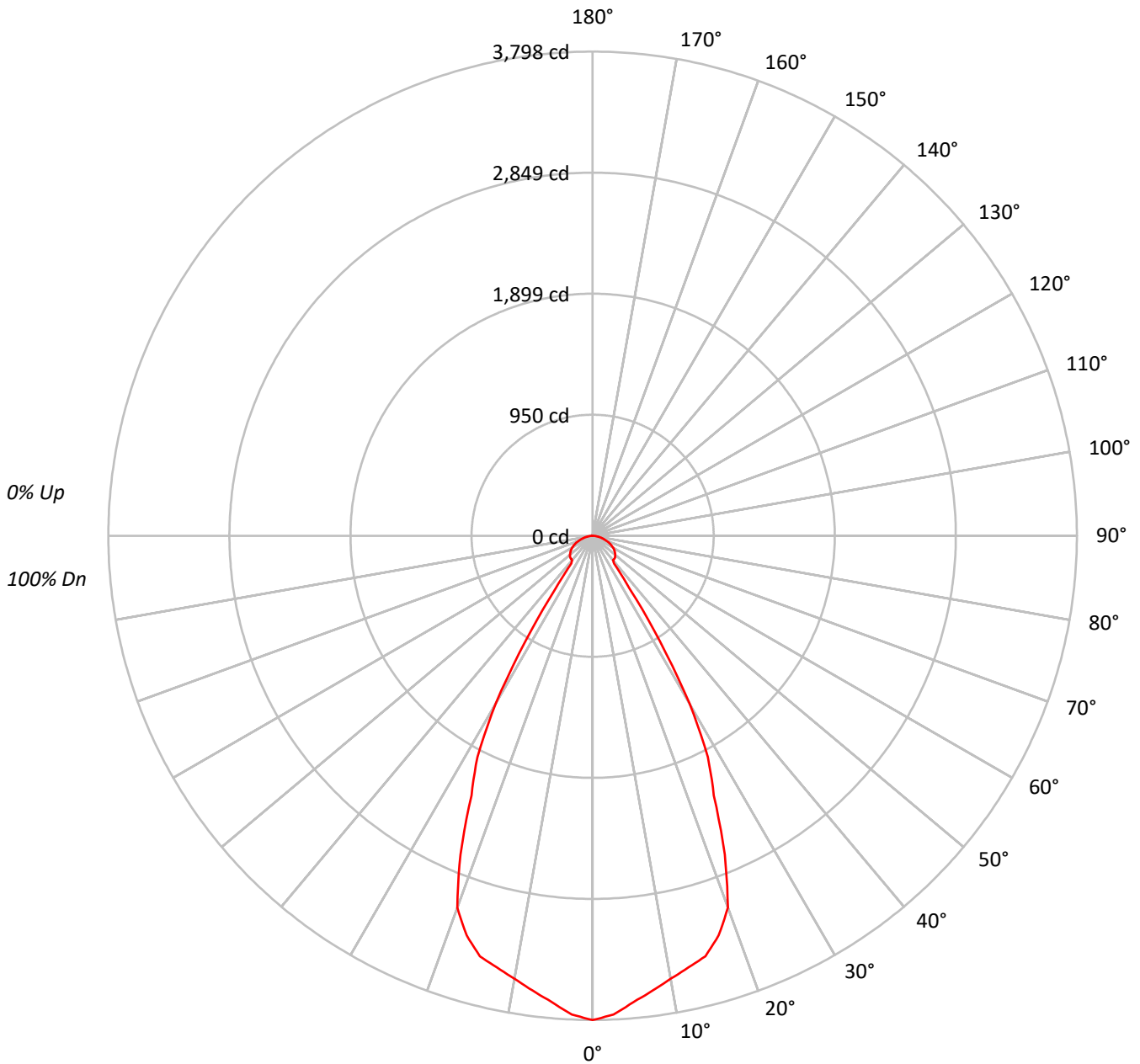
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	415027
5°	402694
10°	391474
15°	386333
20°	360760
25°	271022
30°	191592
35°	67865
40°	35686
45°	38011
50°	39350
55°	40098
60°	40339
65°	39504
70°	37281
75°	34532
80°	30642
85°	24822

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 40365 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.3	10.3
10°-20°	949.9	28.1
20°-30°	1046.2	31.0
30°-40°	399.7	11.8
40°-50°	188.8	5.6
50°-60°	187.6	5.6
60°-70°	150.2	4.4
70°-80°	86.4	2.6
80°-90°	23.5	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°	2342.4	69.3
0°-40°	2742.2	81.2
0°-60°	3118.5	92.3
0°-90°	3378.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3378.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3798	
5°	3672	346
15°	3415	950
25°	2248	1046
35°	509	400
45°	246	189
55°	210	188
65°	153	150
75°	82	86
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3798.5
2.5°	3758.8
5°	3671.6
7.5°	3598.8
10°	3528.5
12.5°	3468.9
15°	3415.4
17.5°	3286.1
20°	3102.7
22.5°	2706.9
25°	2248.1
27.5°	1957.0
30°	1518.6
32.5°	980.9
35°	508.8
37.5°	274.8
40°	250.2
42.5°	248.4
45°	246.0
47.5°	240.6
50°	231.5
52.5°	221.3
55°	210.5
57.5°	198.5
60°	184.6
62.5°	169.0
65°	152.8
67.5°	134.7
70°	116.7
72.5°	98.6
75°	81.8
77.5°	64.4
80°	48.7
82.5°	34.3
85°	19.8
87.5°	7.8
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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