

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P790560

Luminaire Tested: LER6D20D010-EC6DR7020359024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790560
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-EC6DR7020359024-6LBDDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2947.6 lumens
Efficiency: N/A
Efficacy: 127.6 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

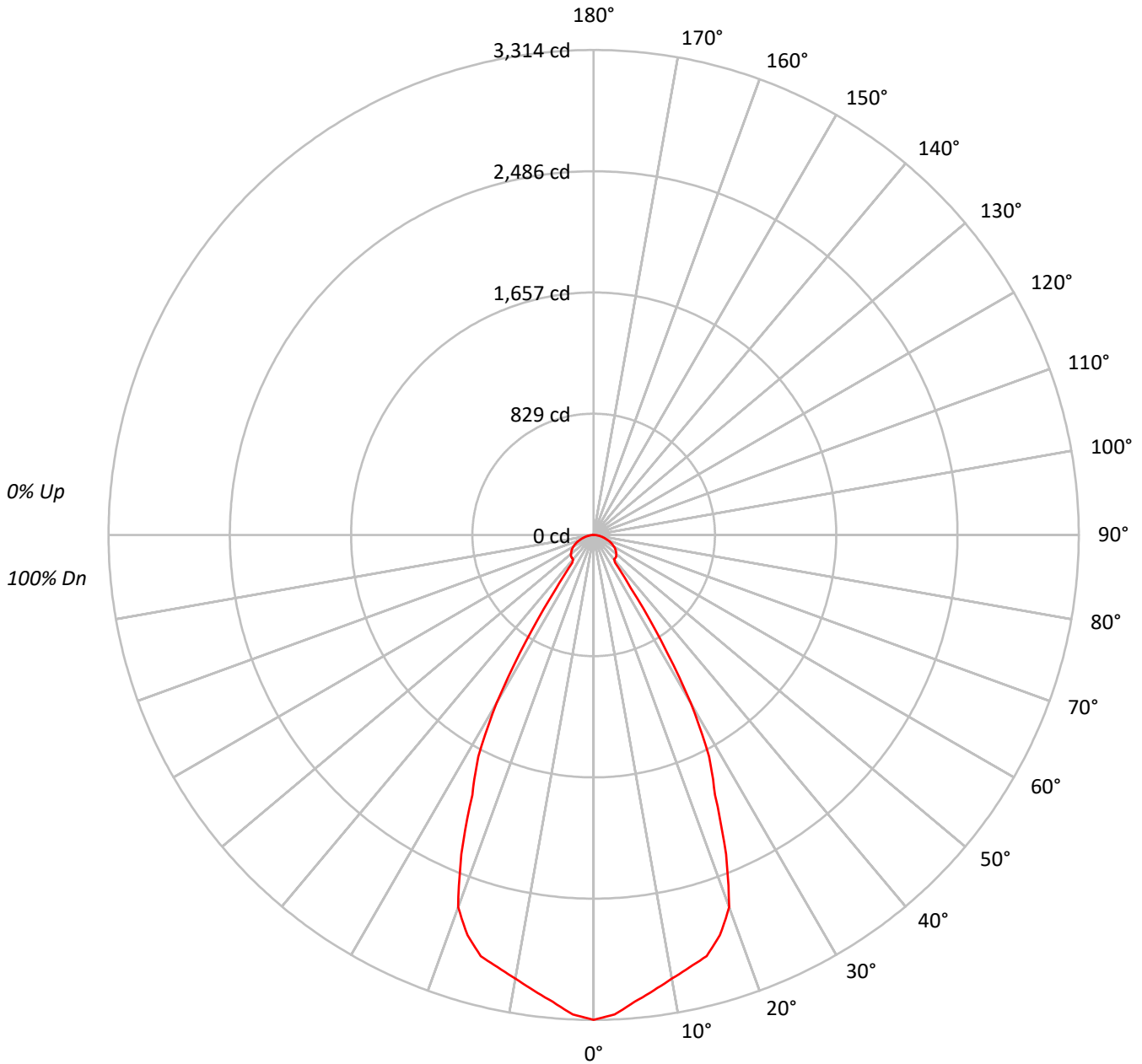
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	362079
5°	351321
10°	341537
15°	337049
20°	314739
25°	236446
30°	167141
35°	59209
40°	31136
45°	33160
50°	34336
55°	34974
60°	35204
65°	34462
70°	32521
75°	30142
80°	26741
85°	21688

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 35204 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.1	10.3
10°-20°	828.7	28.1
20°-30°	912.7	31.0
30°-40°	348.7	11.8
40°-50°	164.7	5.6
50°-60°	163.7	5.6
60°-70°	131.1	4.4
70°-80°	75.3	2.6
80°-90°	20.5	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°	2043.6	69.3
0°-40°	2392.3	81.2
0°-60°	2720.7	92.3
0°-90°	2947.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2947.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3314	
5°	3203	302
15°	2980	829
25°	1961	913
35°	444	349
45°	215	165
55°	184	164
65°	133	131
75°	71	75
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3313.9
2.5°	3279.3
5°	3203.2
7.5°	3139.7
10°	3078.4
12.5°	3026.4
15°	2979.7
17.5°	2866.9
20°	2706.9
22.5°	2361.6
25°	1961.3
27.5°	1707.3
30°	1324.8
32.5°	855.8
35°	443.9
37.5°	239.8
40°	218.3
42.5°	216.7
45°	214.6
47.5°	209.9
50°	202.0
52.5°	193.1
55°	183.6
57.5°	173.1
60°	161.1
62.5°	147.4
65°	133.3
67.5°	117.5
70°	101.8
72.5°	86.0
75°	71.4
77.5°	56.1
80°	42.5
82.5°	29.9
85°	17.3
87.5°	6.8
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)