

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: P790352

Luminaire Tested: LER6D20D010-EC6DR4520359040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR4520359040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3719.1 lumens
Efficiency: N/A
Efficacy: 161.0 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

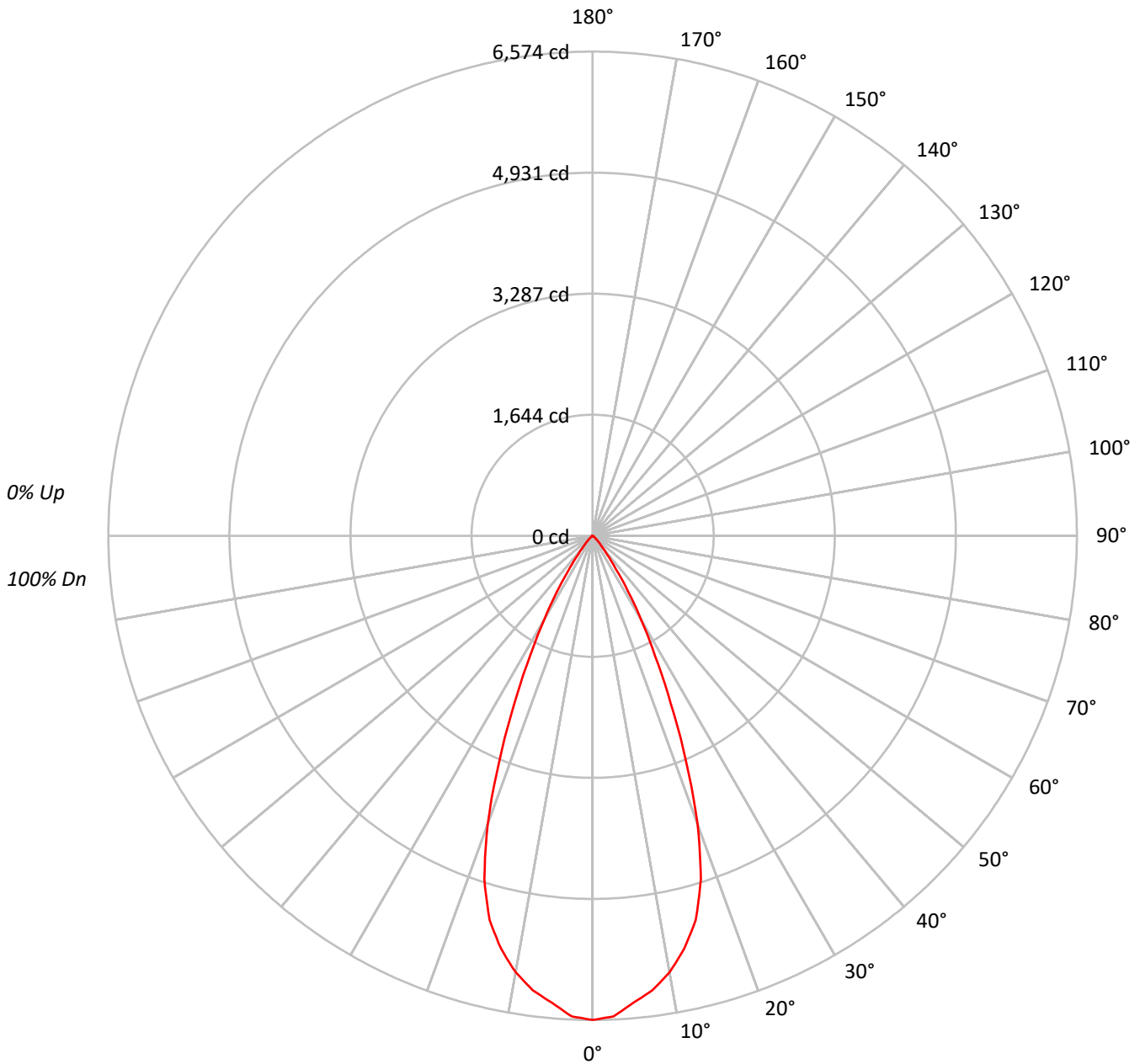
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95				
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90				
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85				
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81				
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77				
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73				
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69				
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66				
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63				
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	718226
5°	697772
10°	667586
15°	610980
20°	484718
25°	302619
30°	166788
35°	74894
40°	29496
45°	13907
50°	6595
55°	3448
60°	1704
65°	414
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13907 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.8	16.1
10°-20°	1471.2	39.6
20°-30°	1165.0	31.3
30°-40°	388.0	10.4
40°-50°	77.0	2.1
50°-60°	17.5	0.5
60°-70°	2.5	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	3234.0	87.0
0°-40°	3622.0	97.4
0°-60°	3716.5	99.9
0°-90°	3719.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3719.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6574	
5°	6362	598
15°	5401	1471
25°	2510	1165
35°	562	388
45°	90	77
55°	18	18
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6573.5
2.5°	6530.6
5°	6362.0
7.5°	6222.9
10°	6017.2
12.5°	5743.1
15°	5401.4
17.5°	4887.5
20°	4168.8
22.5°	3312.6
25°	2510.2
27.5°	1838.0
30°	1322.0
32.5°	899.1
35°	561.5
37.5°	333.0
40°	206.8
42.5°	136.0
45°	90.0
47.5°	57.9
50°	38.8
52.5°	25.9
55°	18.1
57.5°	11.9
60°	7.8
62.5°	4.1
65°	1.6
67.5°	0.5
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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