

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: P790497

Luminaire Tested: LER6D20D010-EC6DR6020359040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR6020359040-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3823.5 lumens
Efficiency: N/A
Efficacy: 165.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

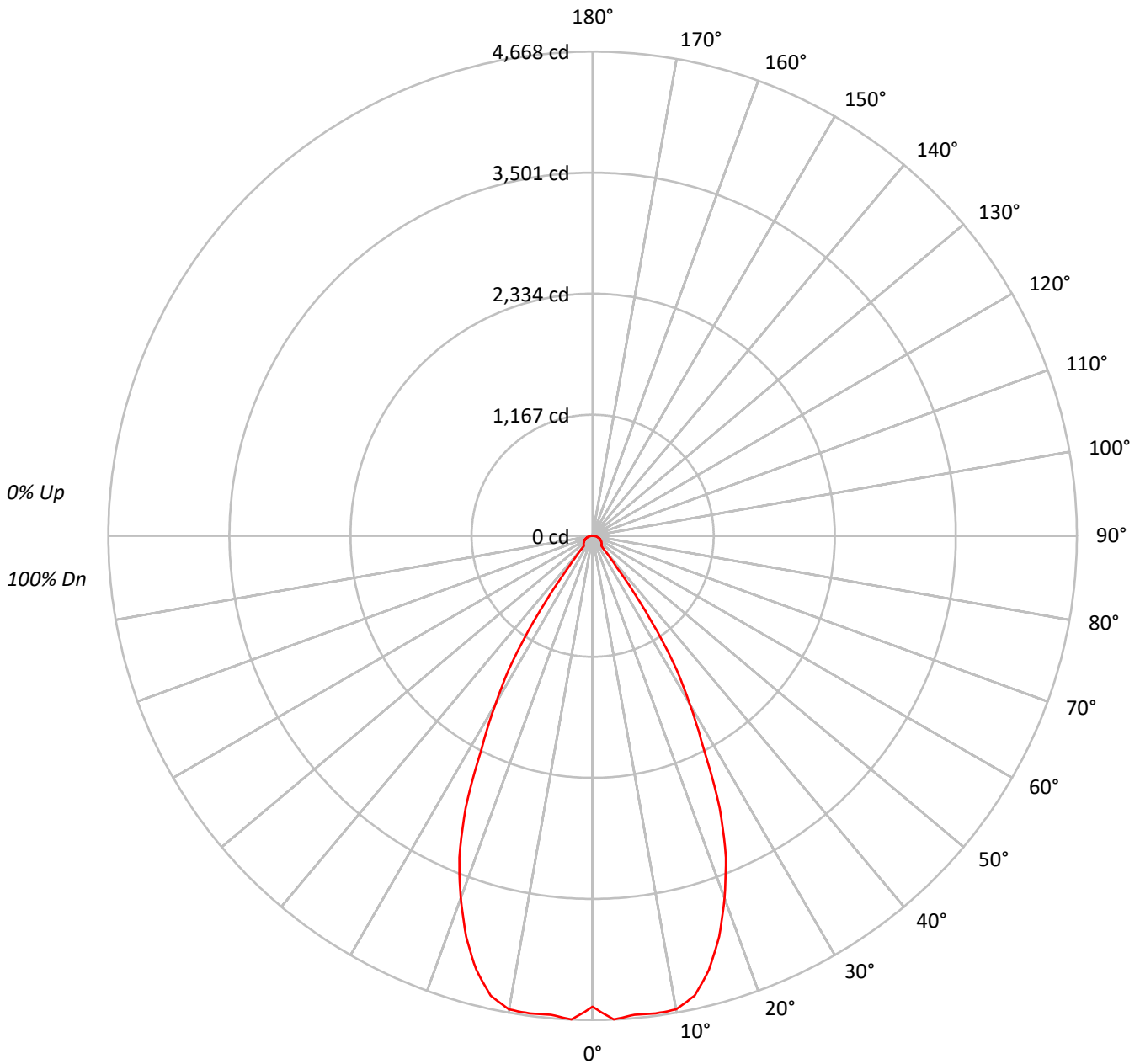
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	496142
5°	508347
10°	514480
15°	490116
20°	432128
25°	349516
30°	236418
35°	118471
40°	19212
45°	18805
50°	19191
55°	19468
60°	20017
65°	20476
70°	20956
75°	21192
80°	20449
85°	17049

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 21192 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.0	11.6
10°-20°	1198.5	31.3
20°-30°	1289.5	33.7
30°-40°	560.5	14.7
40°-50°	94.1	2.5
50°-60°	91.5	2.4
60°-70°	78.3	2.0
70°-80°	52.4	1.4
80°-90°	15.7	0.4
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°	2931.0	76.7
0°-40°	3491.5	91.3
0°-60°	3677.1	96.2
0°-90°	3823.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3823.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4541	
5°	4635	443
15°	4333	1199
25°	2899	1289
35°	888	561
45°	122	94
55°	102	92
65°	79	78
75°	50	52
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4540.9
2.5°	4668.5
5°	4634.9
7.5°	4645.5
10°	4637.2
12.5°	4541.5
15°	4332.9
17.5°	4052.8
20°	3716.5
22.5°	3356.6
25°	2899.2
27.5°	2318.9
30°	1873.9
32.5°	1444.3
35°	888.2
37.5°	380.0
40°	134.7
42.5°	124.1
45°	121.7
47.5°	117.6
50°	112.9
52.5°	107.6
55°	102.2
57.5°	96.9
60°	91.6
62.5°	85.7
65°	79.2
67.5°	72.7
70°	65.6
72.5°	57.9
75°	50.2
77.5°	41.4
80°	32.5
82.5°	23.0
85°	13.6
87.5°	4.7
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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