

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: P790347

Luminaire Tested: LER6D20D010-EC6DR4520359035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790347
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-EC6DR4520359035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3567.6 lumens
Efficiency: N/A
Efficacy: 154.4 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

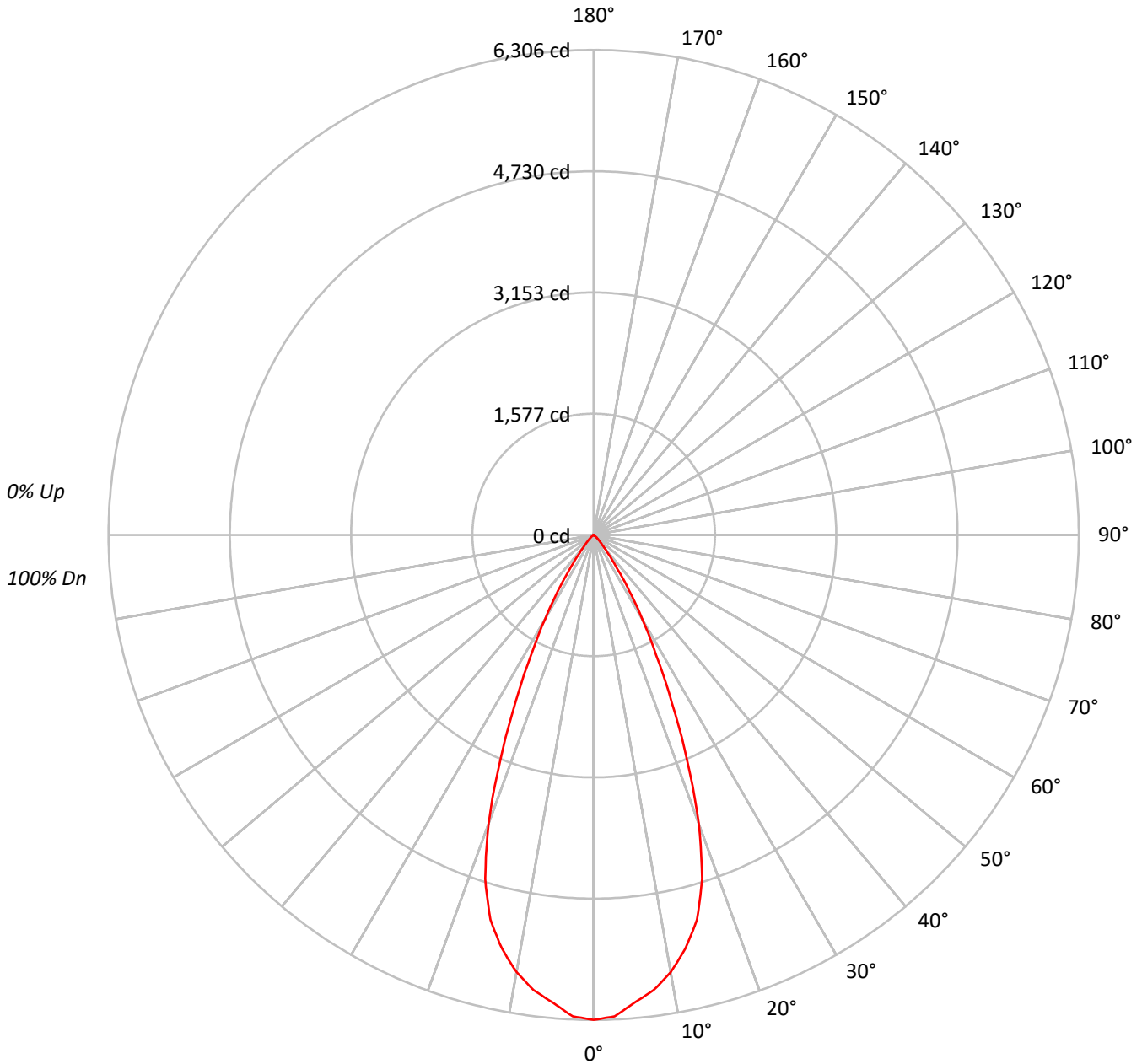
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95					95														
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90					90														
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85					85														
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81					81														
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77					77														
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73					73														
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69					69														
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66					66														
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63					63														
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60					60														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	688976
5°	669355
10°	640393
15°	586094
20°	464975
25°	290287
30°	160000
35°	71840
40°	28298
45°	13335
50°	6323
55°	3315
60°	1617
65°	388
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13335 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.4	16.1
10°-20°	1411.3	39.6
20°-30°	1117.6	31.3
30°-40°	372.2	10.4
40°-50°	73.8	2.1
50°-60°	16.8	0.5
60°-70°	2.4	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°	3102.3	87.0
0°-40°	3474.5	97.4
0°-60°	3565.1	99.9
0°-90°	3567.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3567.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6306	
5°	6103	573
15°	5181	1411
25°	2408	1118
35°	539	372
45°	86	74
55°	17	17
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6305.8
2.5°	6264.6
5°	6102.9
7.5°	5969.5
10°	5772.1
12.5°	5509.3
15°	5181.4
17.5°	4688.4
20°	3999.0
22.5°	3177.7
25°	2407.9
27.5°	1763.2
30°	1268.2
32.5°	862.5
35°	538.6
37.5°	319.4
40°	198.4
42.5°	130.4
45°	86.3
47.5°	55.5
50°	37.2
52.5°	24.8
55°	17.4
57.5°	11.4
60°	7.4
62.5°	4.0
65°	1.5
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

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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)