

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: P790471

Luminaire Tested: LER6D20D010-EC6DR6020359027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790471
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-EC6DR6020359027-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2559.9 lumens
Efficiency: N/A
Efficacy: 110.8 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

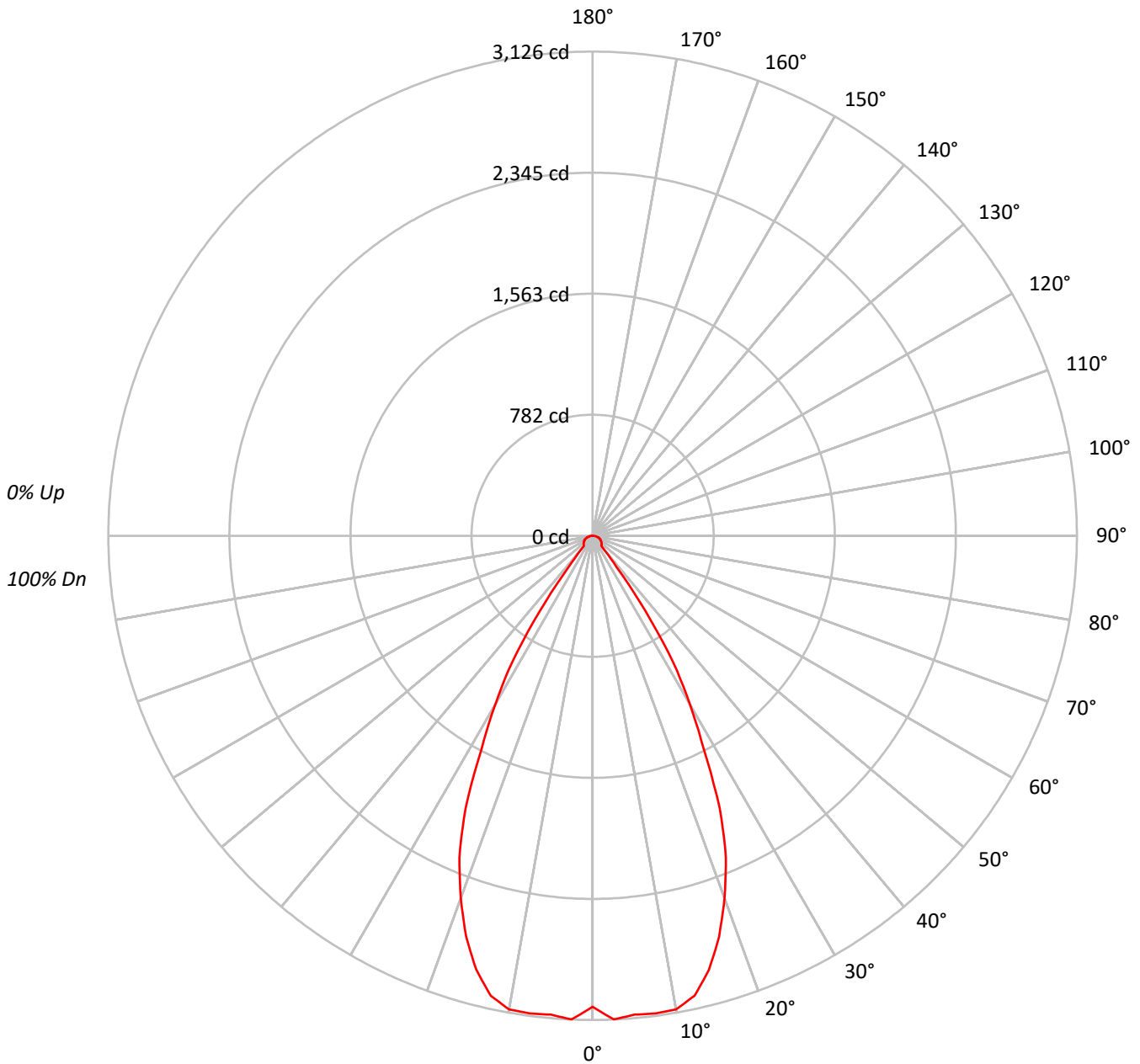
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	332175
5°	340342
10°	344455
15°	328135
20°	289310
25°	234011
30°	158285
35°	79323
40°	12865
45°	12593
50°	12850
55°	13030
60°	13395
65°	13702
70°	14024
75°	14184
80°	13717
85°	11408

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14184 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.6	11.6
10°-20°	802.4	31.3
20°-30°	863.3	33.7
30°-40°	375.3	14.7
40°-50°	63.0	2.5
50°-60°	61.3	2.4
60°-70°	52.4	2.0
70°-80°	35.1	1.4
80°-90°	10.5	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°	1962.3	76.7
0°-40°	2337.6	91.3
0°-60°	2461.9	96.2
0°-90°	2559.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2559.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3040	
5°	3103	297
15°	2901	802
25°	1941	863
35°	595	375
45°	82	63
55°	68	61
65°	53	52
75°	34	35
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3040.2
2.5°	3125.6
5°	3103.1
7.5°	3110.2
10°	3104.7
12.5°	3040.6
15°	2900.9
17.5°	2713.4
20°	2488.2
22.5°	2247.3
25°	1941.1
27.5°	1552.5
30°	1254.6
32.5°	967.0
35°	594.7
37.5°	254.4
40°	90.2
42.5°	83.1
45°	81.5
47.5°	78.7
50°	75.6
52.5°	72.0
55°	68.4
57.5°	64.9
60°	61.3
62.5°	57.4
65°	53.0
67.5°	48.7
70°	43.9
72.5°	38.8
75°	33.6
77.5°	27.7
80°	21.8
82.5°	15.4
85°	9.1
87.5°	3.2
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)