

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: P790489

Luminaire Tested: LER6D20D010-EC6DR6020359035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790489
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-EC6DR6020359035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3720.6 lumens
Efficiency: N/A
Efficacy: 161.1 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

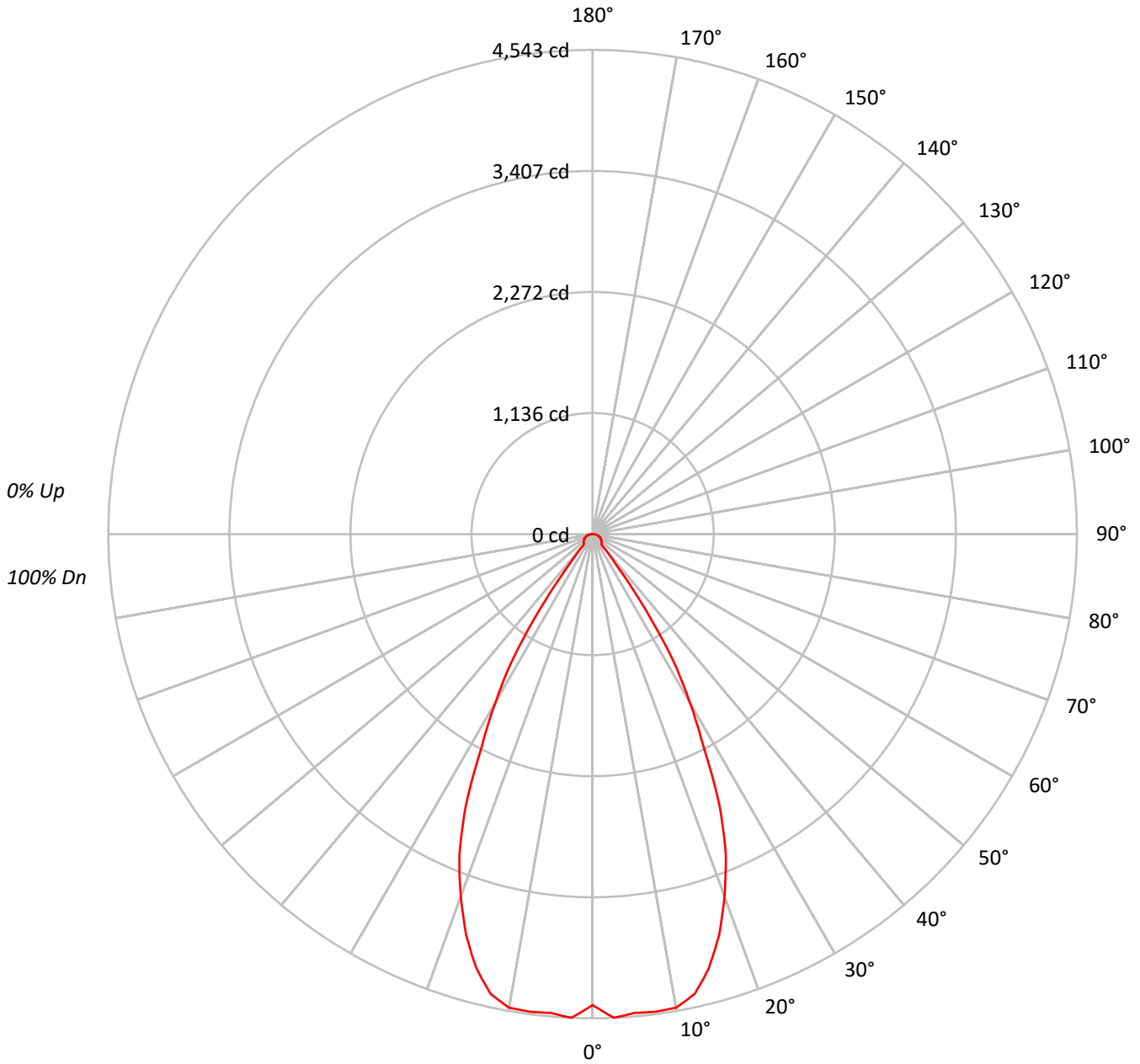
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	482790
5°	494670
10°	500645
15°	476927
20°	420501
25°	340112
30°	230059
35°	115283
40°	18699
45°	18310
50°	18664
55°	18954
60°	19470
65°	19933
70°	20381
75°	20643
80°	19883
85°	16548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 20643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	431.1	11.6
10°-20°	1166.3	31.3
20°-30°	1254.8	33.7
30°-40°	545.4	14.7
40°-50°	91.6	2.5
50°-60°	89.1	2.4
60°-70°	76.2	2.0
70°-80°	51.0	1.4
80°-90°	15.2	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°	2852.1	76.7
0°-40°	3397.5	91.3
0°-60°	3578.2	96.2
0°-90°	3720.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3720.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4419	
5°	4510	431
15°	4216	1166
25°	2821	1255
35°	864	545
45°	118	92
55°	100	89
65°	77	76
75°	49	51
85°	13	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4418.7
2.5°	4542.9
5°	4510.2
7.5°	4520.5
10°	4512.5
12.5°	4419.3
15°	4216.3
17.5°	3943.7
20°	3616.5
22.5°	3266.3
25°	2821.2
27.5°	2256.5
30°	1823.5
32.5°	1405.4
35°	864.3
37.5°	369.8
40°	131.1
42.5°	120.8
45°	118.5
47.5°	114.4
50°	109.8
52.5°	104.7
55°	99.5
57.5°	94.3
60°	89.1
62.5°	83.4
65°	77.1
67.5°	70.7
70°	63.8
72.5°	56.4
75°	48.9
77.5°	40.3
80°	31.6
82.5°	22.4
85°	13.2
87.5°	4.6
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)