

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: P791101

Luminaire Tested: LER6D25D010-EC6DR6520359027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR6520359027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4641.9 lumens
Efficiency: N/A
Efficacy: 184.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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

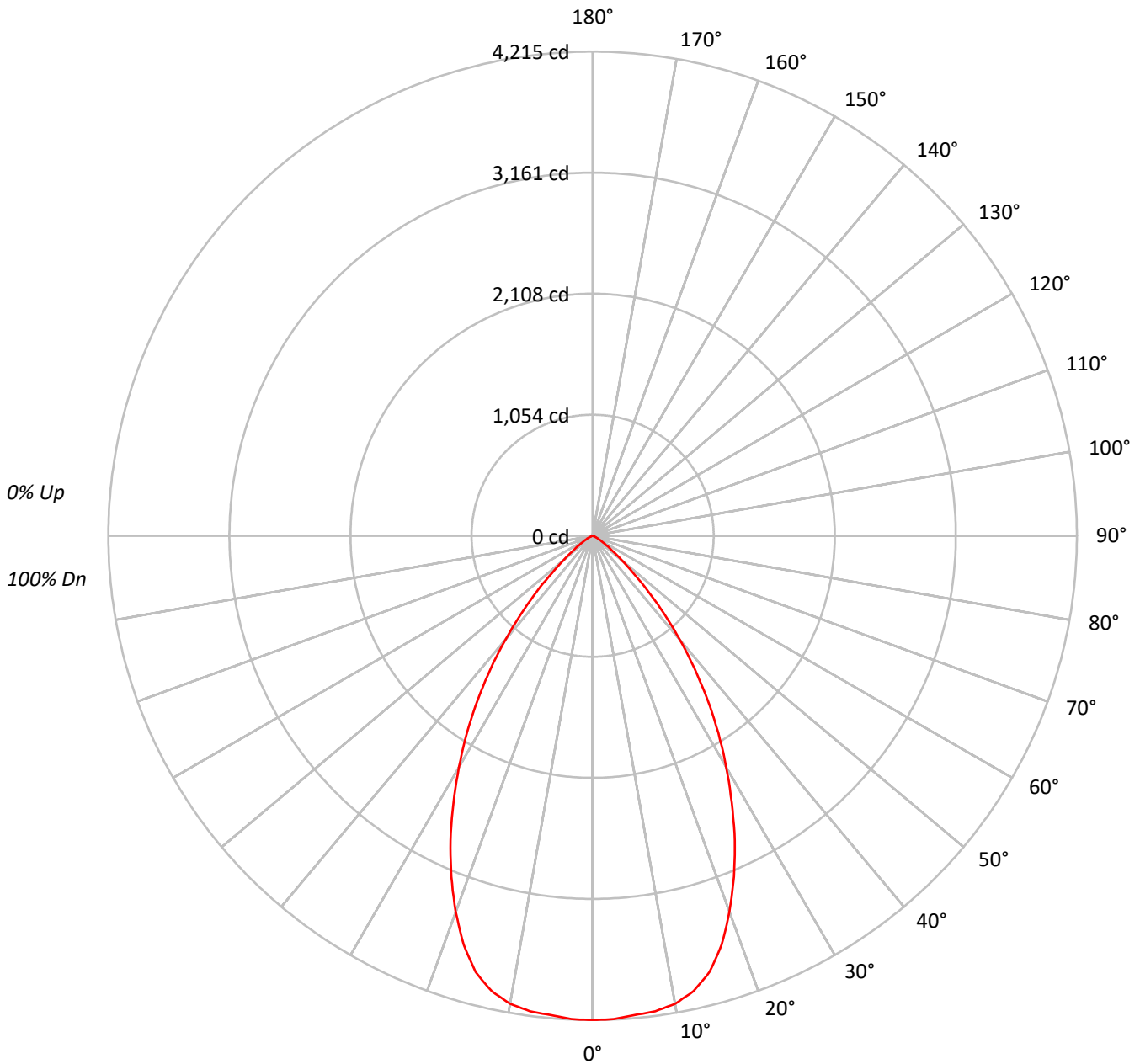


Downlight

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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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	246155
5°	245536
10°	245326
15°	237763
20°	216451
25°	188627
30°	156883
35°	124308
40°	89720
45°	56677
50°	29548
55°	15701
60°	8247
65°	4533
70°	1895
75°	2099
80°	1446
85°	1273

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56677 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.6	8.6
10°-20°	1091.5	23.5
20°-30°	1334.1	28.7
30°-40°	1082.5	23.3
40°-50°	539.4	11.6
50°-60°	150.5	3.2
60°-70°	34.2	0.7
70°-80°	8.9	0.2
80°-90°	2.3	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°	2824.2	60.8
0°-40°	3906.7	84.2
0°-60°	4596.5	99.0
0°-90°	4641.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4641.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4215	
5°	4188	399
15°	3932	1091
25°	2927	1334
35°	1744	1082
45°	686	539
55°	154	150
65°	33	34
75°	9	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4214.7
2.5°	4211.6
5°	4188.1
7.5°	4174.5
10°	4136.7
12.5°	4059.9
15°	3932.3
17.5°	3732.9
20°	3482.6
22.5°	3212.6
25°	2927.1
27.5°	2621.7
30°	2326.3
32.5°	2034.6
35°	1743.5
37.5°	1453.0
40°	1176.8
42.5°	917.9
45°	686.2
47.5°	478.1
50°	325.2
52.5°	224.2
55°	154.2
57.5°	104.1
60°	70.6
62.5°	48.9
65°	32.8
67.5°	16.7
70°	11.1
72.5°	10.5
75°	9.3
77.5°	6.2
80°	4.3
82.5°	3.1
85°	1.9
87.5°	1.2
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)