

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: P791080

Luminaire Tested: LER6D25D010-EC6DR6020359050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791080
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: LER6D25D010-EC6DR6020359050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5320.8 lumens
Efficiency: N/A
Efficacy: 212.0 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

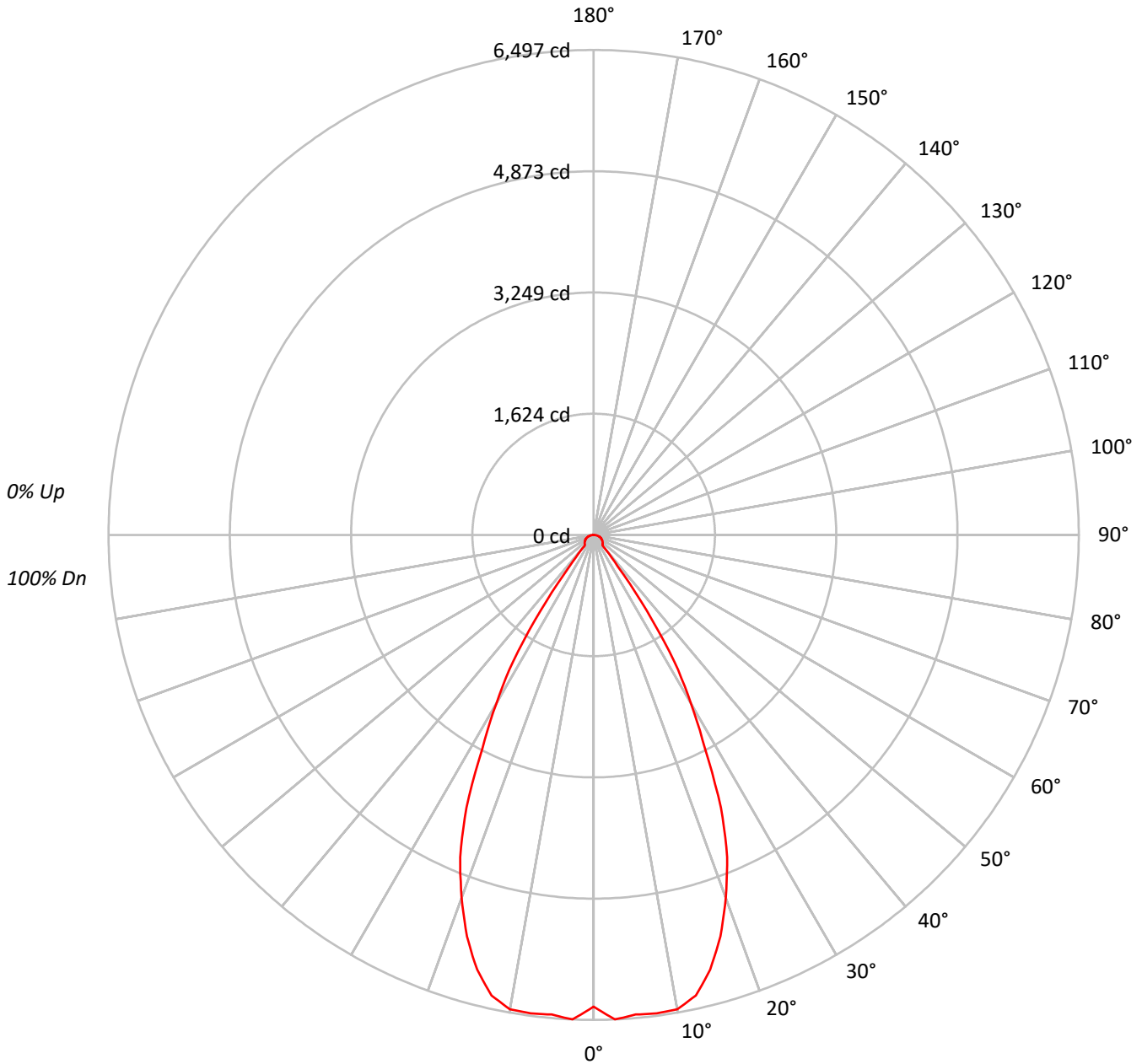
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	690419
5°	707402
10°	715947
15°	682039
20°	601340
25°	486383
30°	328996
35°	164861
40°	26743
45°	26175
50°	26704
55°	27107
60°	27861
65°	28490
70°	29166
75°	29508
80°	28440
85°	23694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29508 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.4	11.6
10°-20°	1667.8	31.3
20°-30°	1794.4	33.7
30°-40°	780.0	14.7
40°-50°	131.0	2.5
50°-60°	127.4	2.4
60°-70°	109.0	2.0
70°-80°	72.9	1.4
80°-90°	21.8	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°	4078.7	76.7
0°-40°	4858.7	91.3
0°-60°	5117.1	96.2
0°-90°	5320.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5320.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6319	
5°	6450	616
15°	6030	1668
25°	4034	1794
35°	1236	780
45°	169	131
55°	142	127
65°	110	109
75°	70	73
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6319.0
2.5°	6496.7
5°	6449.8
7.5°	6464.6
10°	6453.1
12.5°	6319.9
15°	6029.6
17.5°	5639.8
20°	5171.8
22.5°	4671.0
25°	4034.5
27.5°	3227.0
30°	2607.7
32.5°	2009.9
35°	1236.0
37.5°	528.8
40°	187.5
42.5°	172.7
45°	169.4
47.5°	163.7
50°	157.1
52.5°	149.7
55°	142.3
57.5°	134.9
60°	127.5
62.5°	119.2
65°	110.2
67.5°	101.2
70°	91.3
72.5°	80.6
75°	69.9
77.5°	57.6
80°	45.2
82.5°	32.1
85°	18.9
87.5°	6.6
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)