

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: P791073

Luminaire Tested: LER6D25D010-EC6DR6020359040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791073
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-EC6DR6020359040-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5653.4 lumens
Efficiency: N/A
Efficacy: 225.2 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

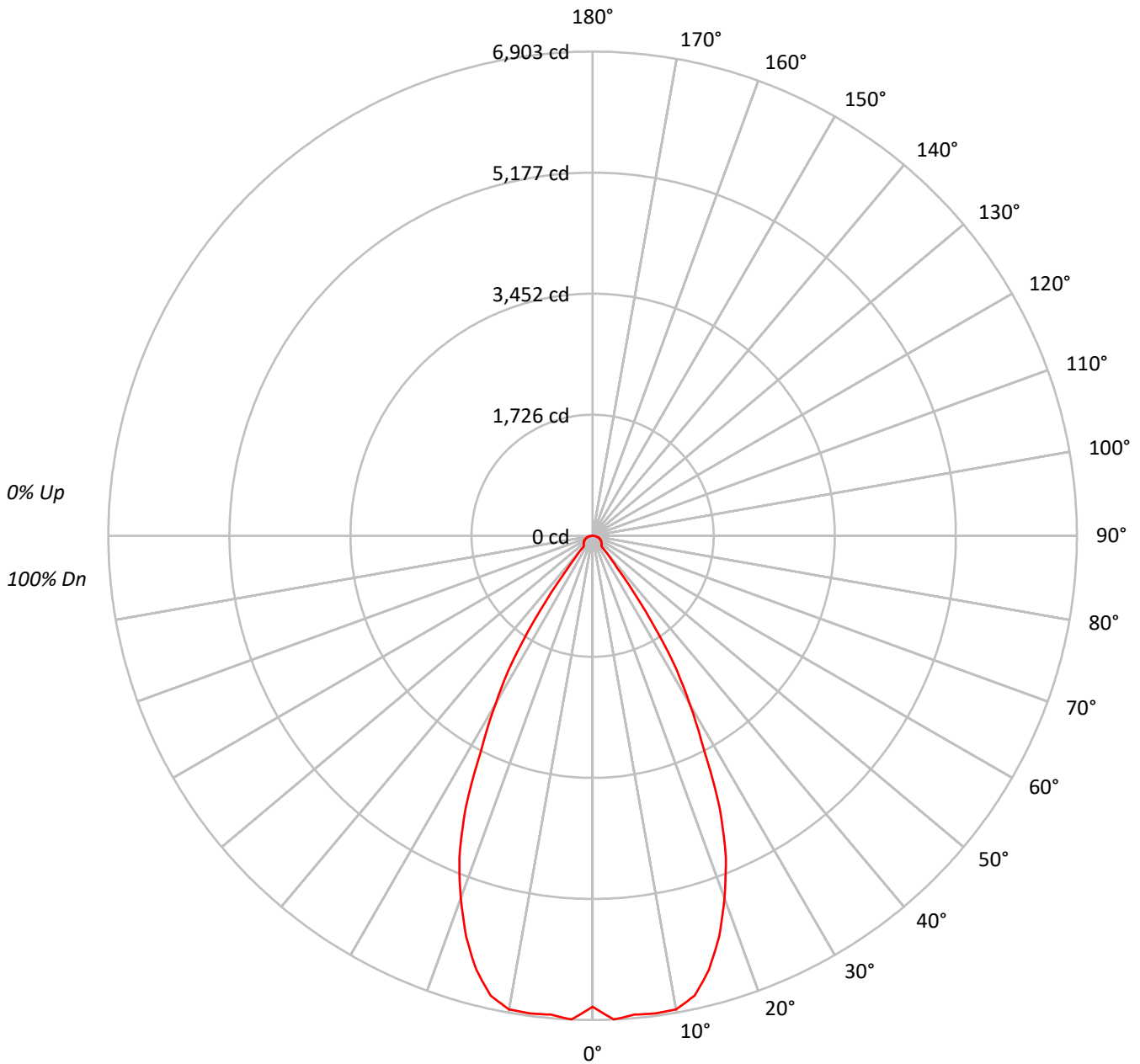
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	733599
5°	751635
10°	760714
15°	724683
20°	638943
25°	516799
30°	349574
35°	175172
40°	28412
45°	27813
50°	28370
55°	28802
60°	29588
65°	30274
70°	30987
75°	31366
80°	30265
85°	25198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 31366 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.0	11.6
10°-20°	1772.1	31.3
20°-30°	1906.6	33.7
30°-40°	828.8	14.7
40°-50°	139.2	2.5
50°-60°	135.3	2.4
60°-70°	115.8	2.0
70°-80°	77.5	1.4
80°-90°	23.2	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°	4333.7	76.7
0°-40°	5162.5	91.3
0°-60°	5437.0	96.2
0°-90°	5653.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5653.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6714	
5°	6853	655
15°	6407	1772
25°	4287	1907
35°	1313	829
45°	180	139
55°	151	135
65°	117	116
75°	74	77
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6714.2
2.5°	6902.9
5°	6853.1
7.5°	6868.8
10°	6856.6
12.5°	6715.0
15°	6406.6
17.5°	5992.4
20°	5495.2
22.5°	4963.1
25°	4286.8
27.5°	3428.7
30°	2770.8
32.5°	2135.5
35°	1313.3
37.5°	561.8
40°	199.2
42.5°	183.5
45°	180.0
47.5°	173.9
50°	166.9
52.5°	159.0
55°	151.2
57.5°	143.3
60°	135.4
62.5°	126.7
65°	117.1
67.5°	107.5
70°	97.0
72.5°	85.6
75°	74.3
77.5°	61.2
80°	48.1
82.5°	34.1
85°	20.1
87.5°	7.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)