

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: P791137

Luminaire Tested: LER6D25D010-EC6DR7020359024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791137
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR7020359024-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4576.2 lumens
Efficiency: N/A
Efficacy: 182.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

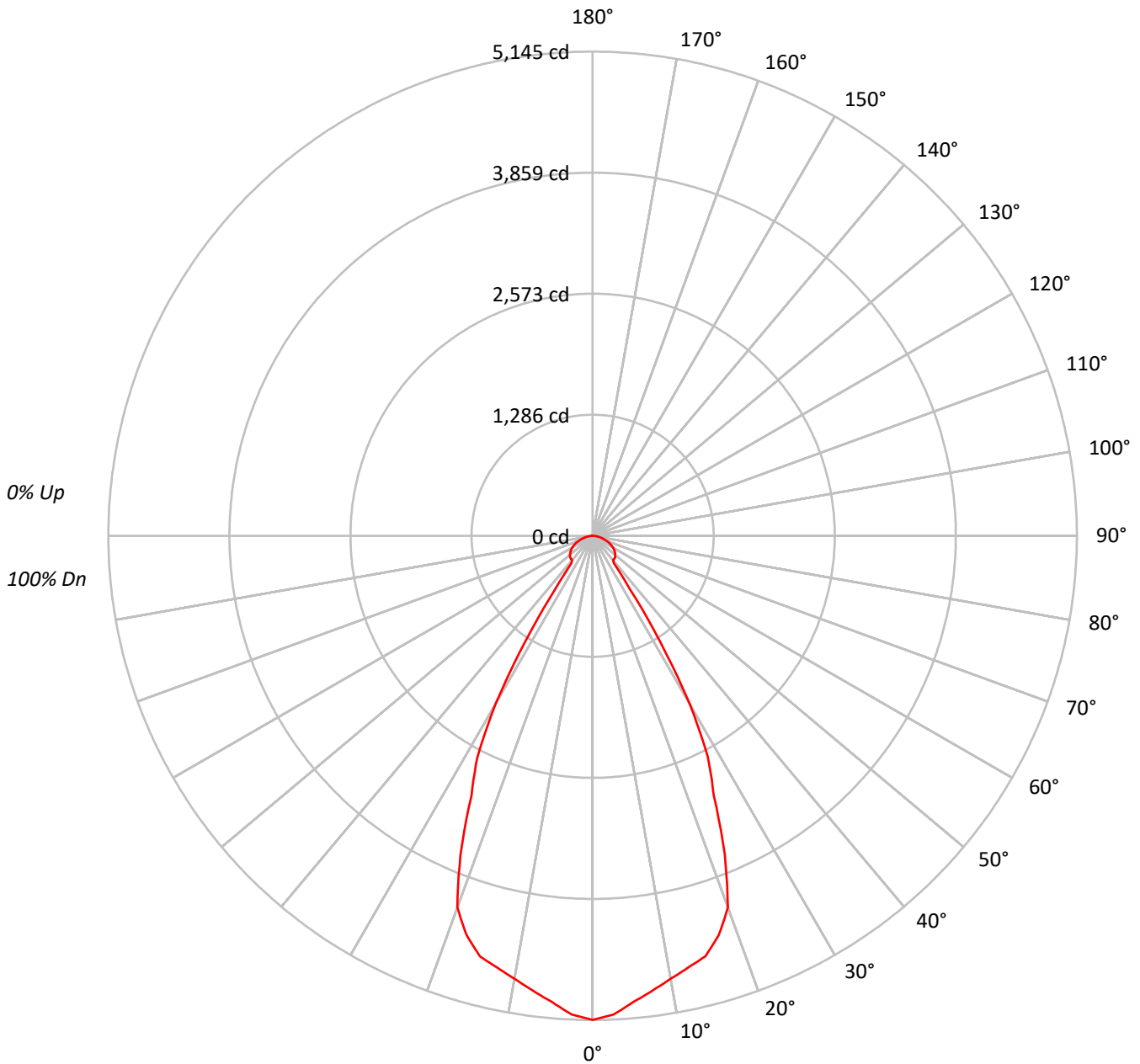
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	562147
5°	545440
10°	530234
15°	523282
20°	488637
25°	367093
30°	259506
35°	91914
40°	48337
45°	51485
50°	53306
55°	54309
60°	54652
65°	53490
70°	50474
75°	46774
80°	41528
85°	33723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 54661 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.1	10.3
10°-20°	1286.6	28.1
20°-30°	1417.1	31.0
30°-40°	541.4	11.8
40°-50°	255.6	5.6
50°-60°	254.2	5.6
60°-70°	203.5	4.4
70°-80°	117.0	2.6
80°-90°	31.8	0.7
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°	3172.8	69.3
0°-40°	3714.2	81.2
0°-60°	4224.0	92.3
0°-90°	4576.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4576.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5145	
5°	4973	469
15°	4626	1287
25°	3045	1417
35°	689	541
45°	333	256
55°	285	254
65°	207	203
75°	111	117
85°	27	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5145.0
2.5°	5091.2
5°	4973.1
7.5°	4874.5
10°	4779.2
12.5°	4698.6
15°	4626.1
17.5°	4451.0
20°	4202.5
22.5°	3666.5
25°	3045.0
27.5°	2650.7
30°	2056.9
32.5°	1328.6
35°	689.1
37.5°	372.3
40°	338.9
42.5°	336.4
45°	333.2
47.5°	325.8
50°	313.6
52.5°	299.8
55°	285.1
57.5°	268.8
60°	250.1
62.5°	228.9
65°	206.9
67.5°	182.5
70°	158.0
72.5°	133.6
75°	110.8
77.5°	87.2
80°	66.0
82.5°	46.4
85°	26.9
87.5°	10.6
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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