

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: P790976

Luminaire Tested: LER6D25D010-EC6DR5020359040-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR5020359040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5569.6 lumens
Efficiency: N/A
Efficacy: 221.9 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

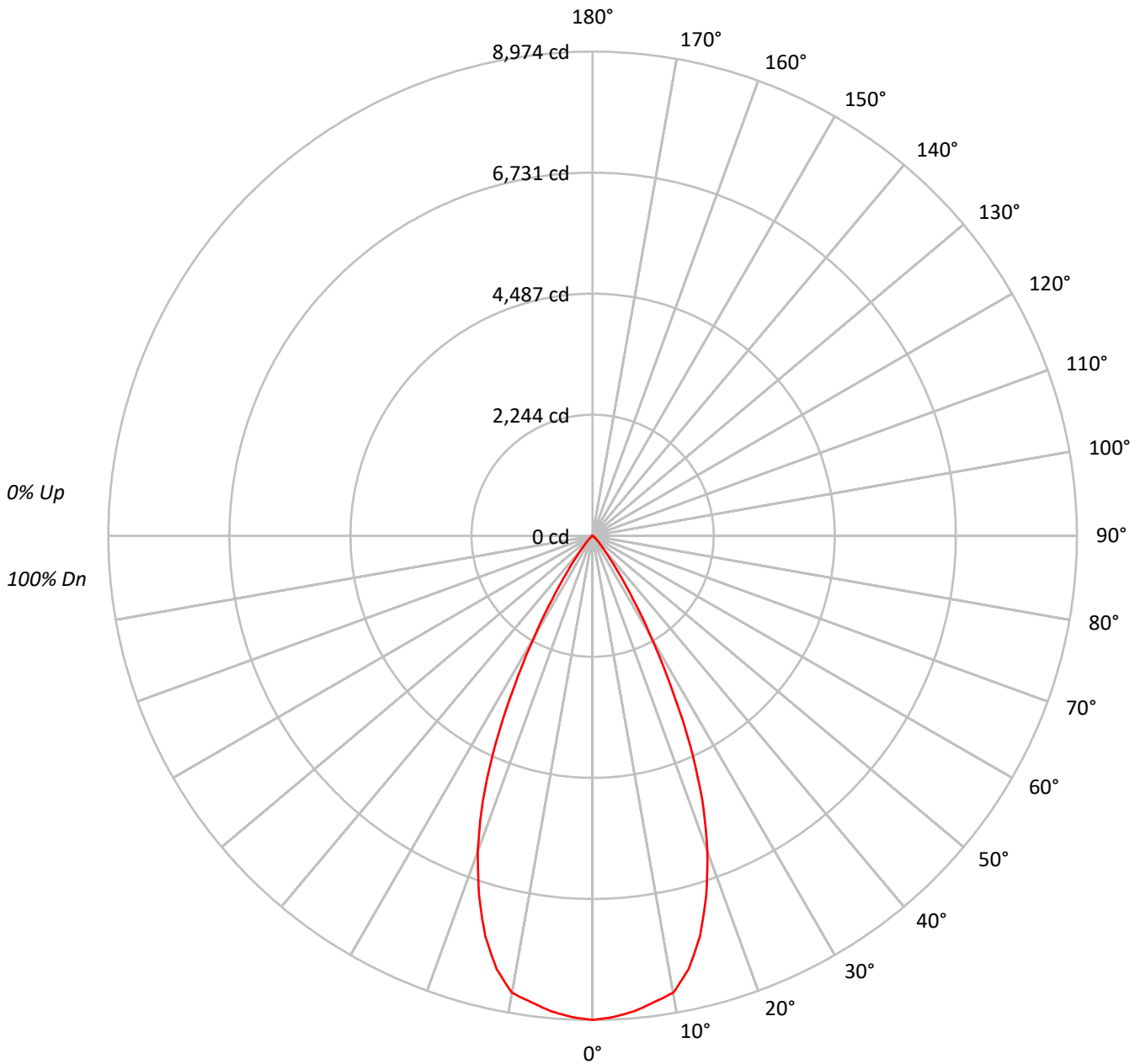
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95						95													
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90						90													
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85						85													
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80						80													
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76						76													
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72						72													
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69						69													
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65						65													
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62						62													
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59						59													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	980506
5°	970224
10°	954249
15°	868916
20°	723043
25°	513255
30°	271668
35°	110708
40°	41120
45°	18820
50°	7717
55°	4038
60°	1989
65°	595
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18820 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	836.1	15.0
10°-20°	2113.1	37.9
20°-30°	1898.1	34.1
30°-40°	594.3	10.7
40°-50°	104.0	1.9
50°-60°	20.7	0.4
60°-70°	3.2	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	4847.3	87.0
0°-40°	5441.7	97.7
0°-60°	5566.5	99.9
0°-90°	5569.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5569.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8974	
5°	8846	836
15°	7682	2113
25°	4257	1898
35°	830	594
45°	122	104
55°	21	21
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8974.0
2.5°	8929.4
5°	8846.1
7.5°	8719.0
10°	8601.0
12.5°	8222.7
15°	7681.7
17.5°	6994.7
20°	6218.5
22.5°	5320.4
25°	4257.4
27.5°	3130.0
30°	2153.3
32.5°	1402.0
35°	830.0
37.5°	476.7
40°	288.3
42.5°	187.6
45°	121.8
47.5°	74.1
50°	45.4
52.5°	31.0
55°	21.2
57.5°	14.4
60°	9.1
62.5°	5.3
65°	2.3
67.5°	0.8
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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