

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: P790667

Luminaire Tested: LER6D25D010-EC6DR2015309027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR2015309027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2866.5 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
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

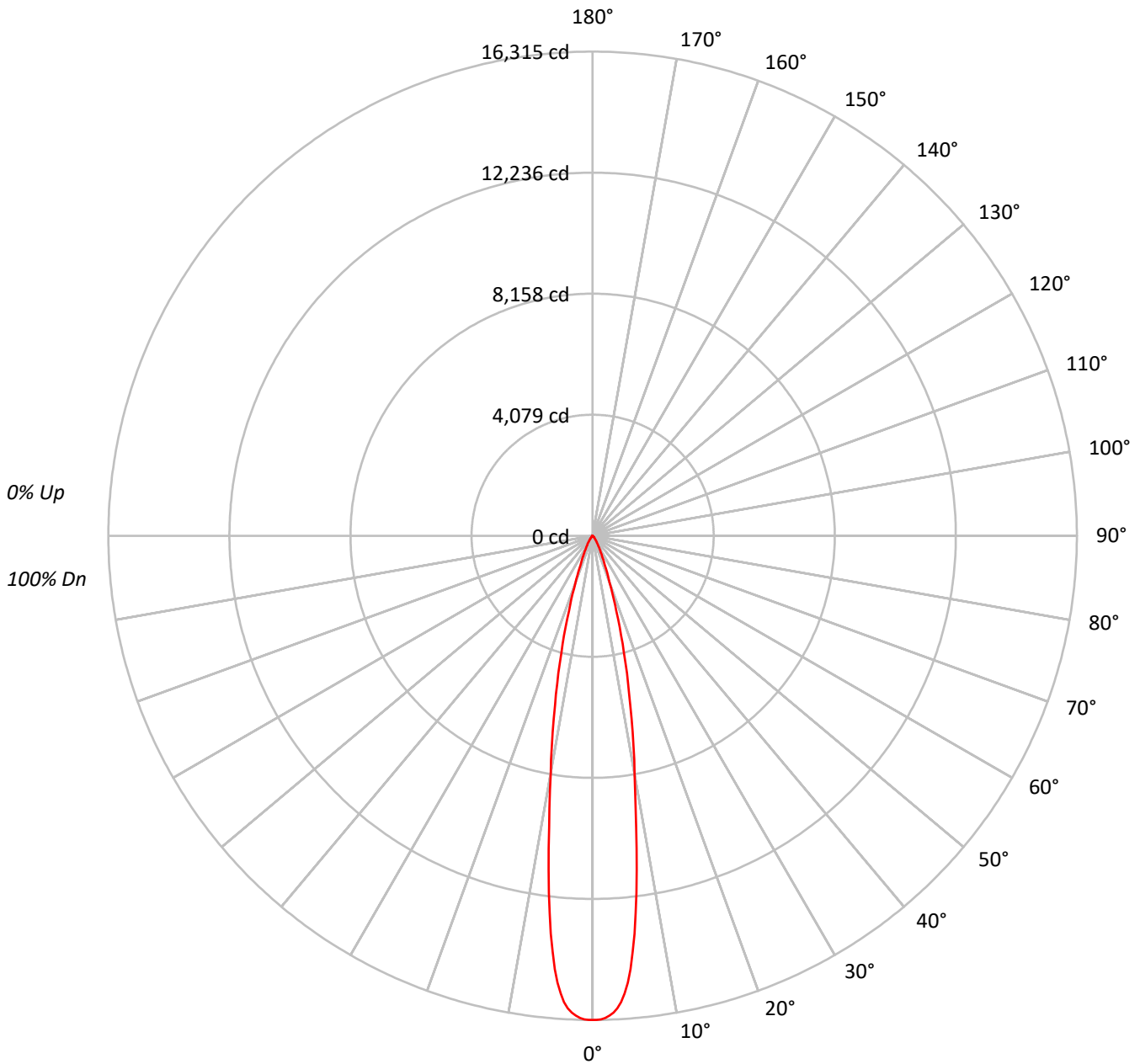


Downlight

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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			100																
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89	88																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	86	85	85																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83	83																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	82	81	81																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79	79																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77	77																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75	75																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	74	73	73																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1782589
5°	1608221
10°	902626
15°	458817
20°	194257
25°	89669
30°	47475
35°	25583
40°	13678
45°	8081
50°	4691
55°	2495
60°	1595
65°	1138
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8081 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1161.6	40.5
10°-20°	1143.8	39.9
20°-30°	373.7	13.0
30°-40°	127.2	4.4
40°-50°	42.8	1.5
50°-60°	12.9	0.4
60°-70°	4.3	0.2
70°-80°	0.2	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°	2679.1	93.5
0°-40°	2806.3	97.9
0°-60°	2862.0	99.8
0°-90°	2866.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2866.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16315	
5°	14663	###
15°	4056	1144
25°	744	374
35°	192	127
45°	52	43
55°	13	13
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	16315.0
0.5°	16315.0
1°	16294.6
1.5°	16253.9
2°	16179.8
2.5°	16081.1
3°	15941.6
3.5°	15746.9
4°	15457.8
4.5°	15106.2
5°	14663.1
5.5°	14080.5
6°	13483.4
6.5°	12799.2
7°	12129.4
7.5°	11344.9
8°	10644.7
8.5°	9940.1
9°	9289.2
9.5°	8692.1
10°	8135.7
12.5°	5841.7
15°	4056.2
17.5°	2649.9
20°	1670.7
22.5°	1082.3
25°	743.8
27.5°	523.0
30°	376.3
32.5°	270.2
35°	191.8
37.5°	133.7
40°	95.9
42.5°	69.7
45°	52.3
47.5°	40.7
50°	27.6
52.5°	17.4
55°	13.1
57.5°	10.2
60°	7.3
62.5°	5.8
65°	4.4



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CANDELA DISTRIBUTION (continued):

	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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Scaled Data Report





— 0°-180°

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67.5°		2.9
70°		1.5

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(END OF REPORT)