

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: P790693

Luminaire Tested: LER6D25D010-EC6DR2015309040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790693
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-EC6DR2015309040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3602.9 lumens
Efficiency: N/A
Efficacy: 143.5 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

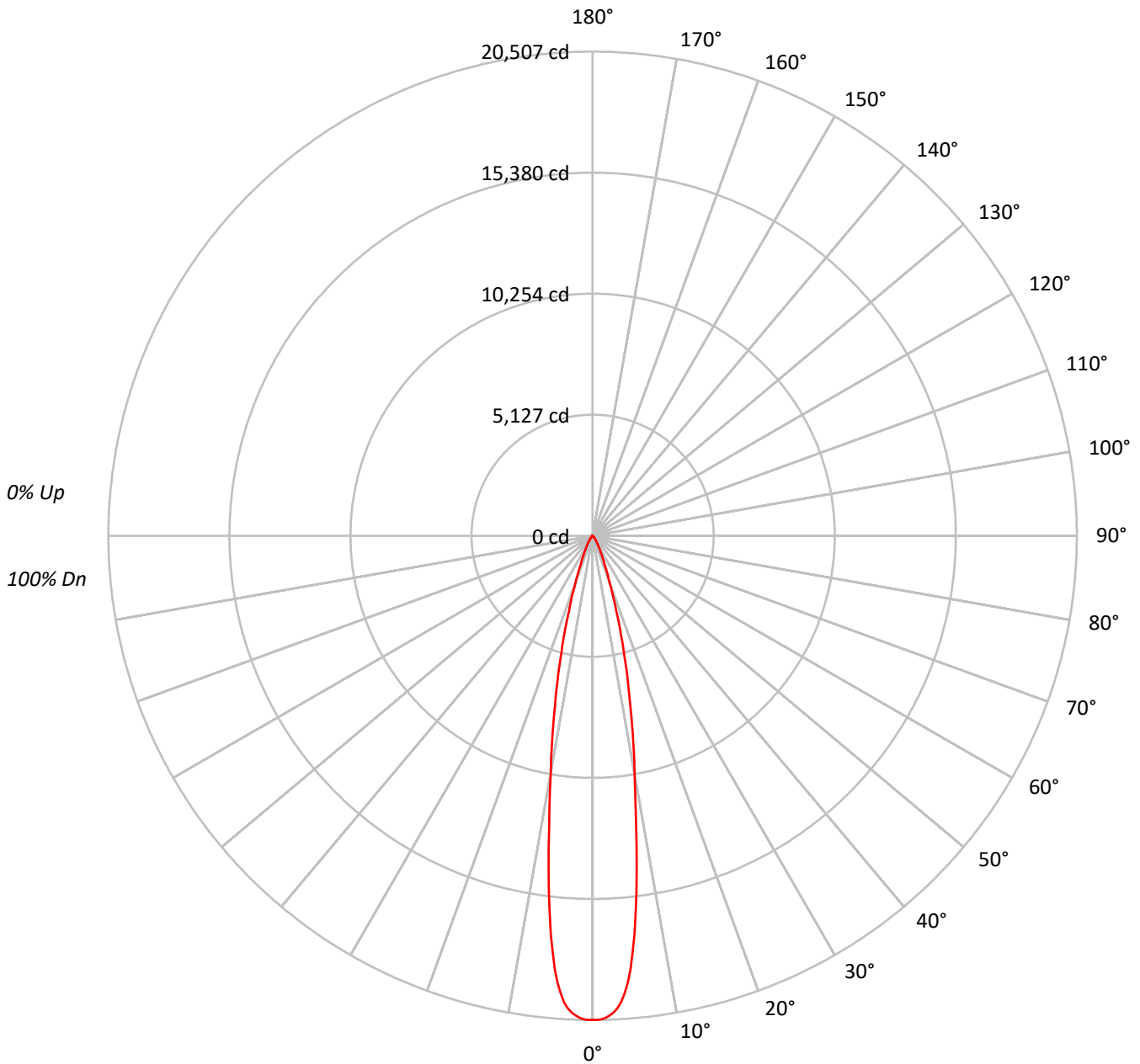


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2240578
5°	2021422
10°	1134537
15°	576706
20°	244173
25°	112708
30°	59675
35°	32145
40°	17187
45°	10152
50°	5898
55°	3124
60°	1989
65°	1422
70°	575
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10152 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1460.0	40.5
10°-20°	1437.7	39.9
20°-30°	469.7	13.0
30°-40°	159.9	4.4
40°-50°	53.8	1.5
50°-60°	16.2	0.4
60°-70°	5.4	0.1
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°	3367.4	93.5
0°-40°	3527.3	97.9
0°-60°	3597.2	99.8
0°-90°	3602.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3602.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20507	
5°	18430	###
15°	5098	1438
25°	935	470
35°	241	160
45°	66	54
55°	16	16
65°	6	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20506.7
0.5°	20506.7
1°	20481.1
1.5°	20430.0
2°	20336.9
2.5°	20212.7
3°	20037.4
3.5°	19792.7
4°	19429.3
4.5°	18987.4
5°	18430.5
5.5°	17698.2
6°	16947.7
6.5°	16087.6
7°	15245.8
7.5°	14259.7
8°	13379.6
8.5°	12493.9
9°	11675.9
9.5°	10925.3
10°	10226.0
12.5°	7342.6
15°	5098.4
17.5°	3330.7
20°	2100.0
22.5°	1360.4
25°	934.9
27.5°	657.4
30°	473.0
32.5°	339.6
35°	241.0
37.5°	168.0
40°	120.5
42.5°	87.7
45°	65.7
47.5°	51.1
50°	34.7
52.5°	21.9
55°	16.4
57.5°	12.8
60°	9.1
62.5°	7.3
65°	5.5



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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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— 0°-180°

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Scaled Data Report





67.5°		3.7
70°		1.8

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(END OF REPORT)