

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: P787411

Luminaire Tested: LER6D02D010-EC6DR650210IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D02D010-EC6DR650210IC9024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 472.6 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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

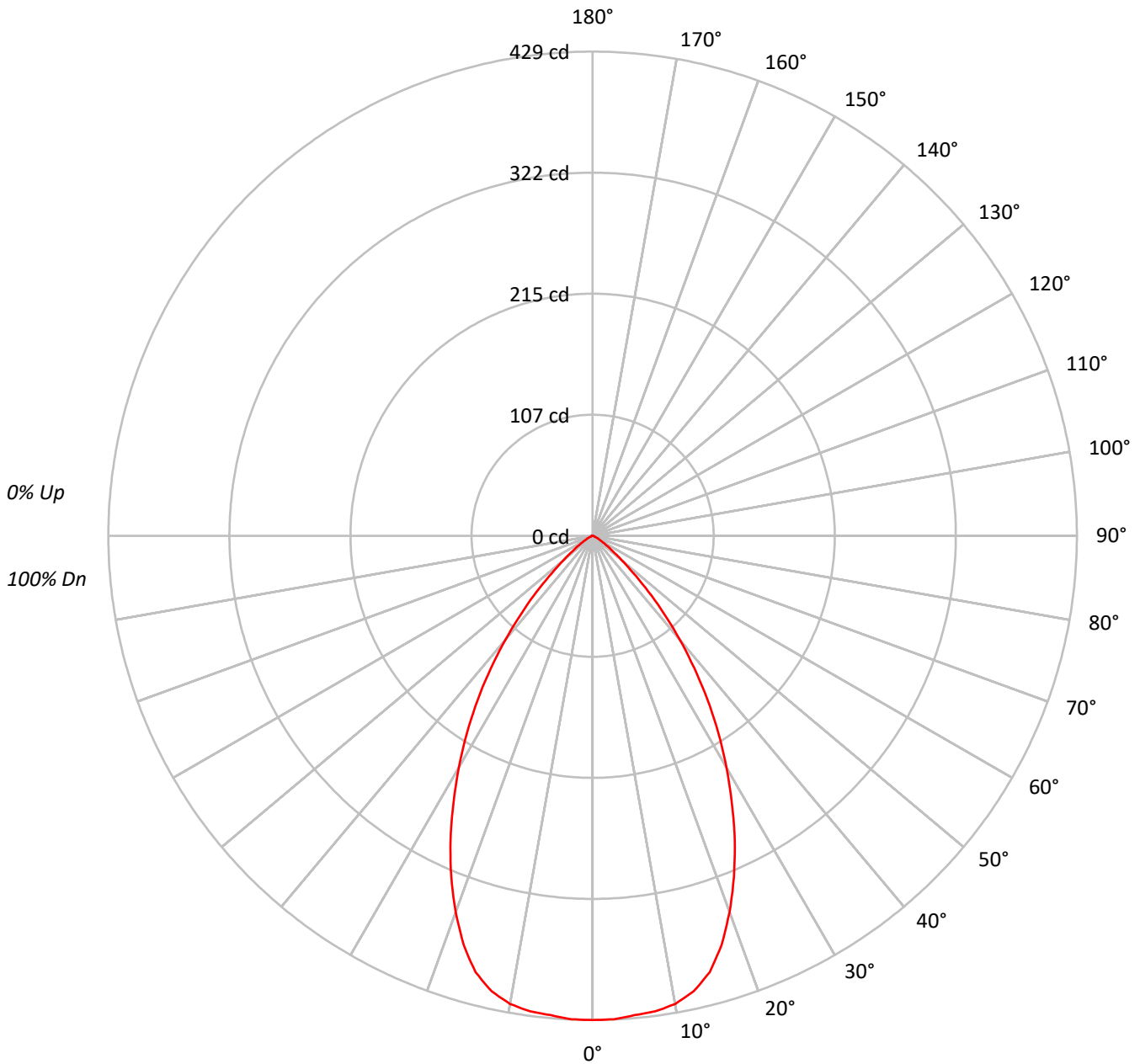


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	89	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25061
5°	24999
10°	24979
15°	24210
20°	22039
25°	19204
30°	15976
35°	12655
40°	9134
45°	5773
50°	3007
55°	1599
60°	841
65°	456
70°	188
75°	203
80°	135
85°	134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5773 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	8.6
10°-20°	111.1	23.5
20°-30°	135.8	28.7
30°-40°	110.2	23.3
40°-50°	54.9	11.6
50°-60°	15.3	3.2
60°-70°	3.5	0.7
70°-80°	0.9	0.2
80°-90°	0.2	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°	287.6	60.8
0°-40°	397.8	84.2
0°-60°	468.0	99.0
0°-90°	472.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	472.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	429	
5°	426	41
15°	400	111
25°	298	136
35°	178	110
45°	70	55
55°	16	15
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	429.1
2.5°	428.8
5°	426.4
7.5°	425.0
10°	421.2
12.5°	413.4
15°	400.4
17.5°	380.1
20°	354.6
22.5°	327.1
25°	298.0
27.5°	266.9
30°	236.9
32.5°	207.2
35°	177.5
37.5°	147.9
40°	119.8
42.5°	93.5
45°	69.9
47.5°	48.7
50°	33.1
52.5°	22.8
55°	15.7
57.5°	10.6
60°	7.2
62.5°	5.0
65°	3.3
67.5°	1.7
70°	1.1
72.5°	1.1
75°	0.9
77.5°	0.6
80°	0.4
82.5°	0.3
85°	0.2
87.5°	0.1
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)