

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: P787401

Luminaire Tested: LER6D02D010-EC6DR600210IC9050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P787401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D02D010-EC6DR600210IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 714.2 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

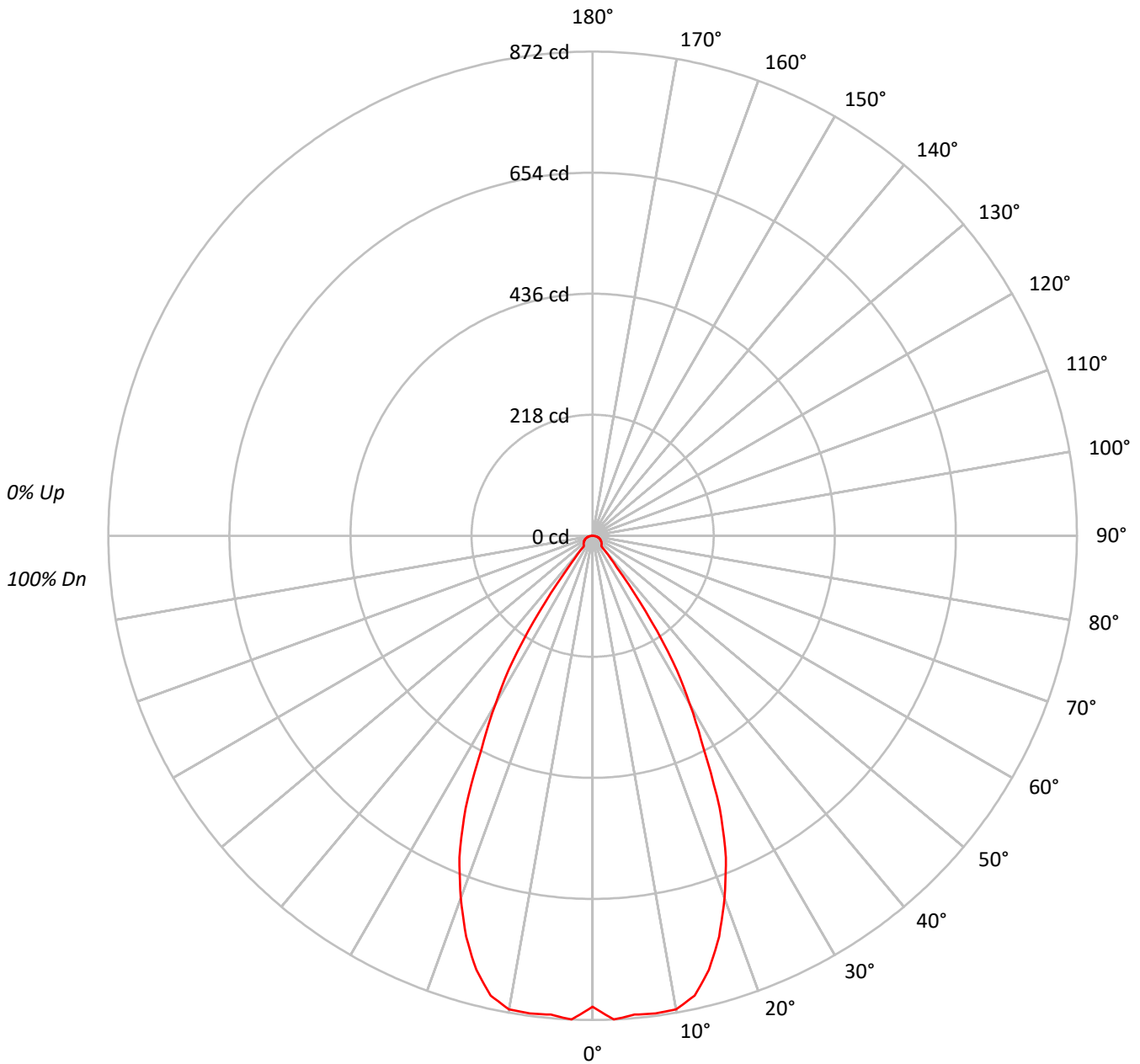
Input Watts (W): 5.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92664
5°	94948
10°	96091
15°	91544
20°	80705
25°	65281
30°	44157
35°	22128
40°	3594
45°	3508
50°	3587
55°	3638
60°	3737
65°	3826
70°	3929
75°	3968
80°	3838
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 3968 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	11.6
10°-20°	223.8	31.3
20°-30°	240.8	33.7
30°-40°	104.7	14.7
40°-50°	17.6	2.5
50°-60°	17.1	2.4
60°-70°	14.6	2.0
70°-80°	9.8	1.4
80°-90°	2.9	0.4
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°	547.4	76.7
0°-40°	652.1	91.3
0°-60°	686.8	96.2
0°-90°	714.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	848	
5°	866	83
15°	809	224
25°	542	241
35°	166	105
45°	23	18
55°	19	17
65°	15	15
75°	9	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	848.1
2.5°	872.0
5°	865.7
7.5°	867.7
10°	866.1
12.5°	848.2
15°	809.3
17.5°	756.9
20°	694.1
22.5°	626.9
25°	541.5
27.5°	433.1
30°	350.0
32.5°	269.8
35°	165.9
37.5°	71.0
40°	25.2
42.5°	23.2
45°	22.7
47.5°	22.0
50°	21.1
52.5°	20.1
55°	19.1
57.5°	18.1
60°	17.1
62.5°	16.0
65°	14.8
67.5°	13.6
70°	12.3
72.5°	10.8
75°	9.4
77.5°	7.7
80°	6.1
82.5°	4.3
85°	2.5
87.5°	0.9
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)