

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: P788632

Luminaire Tested: LER6D08D010-EC6DR600210IC9035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788632
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: LER6D08D010-EC6DR600210IC9035-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1436.5 lumens
Efficiency: N/A
Efficacy: 161.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

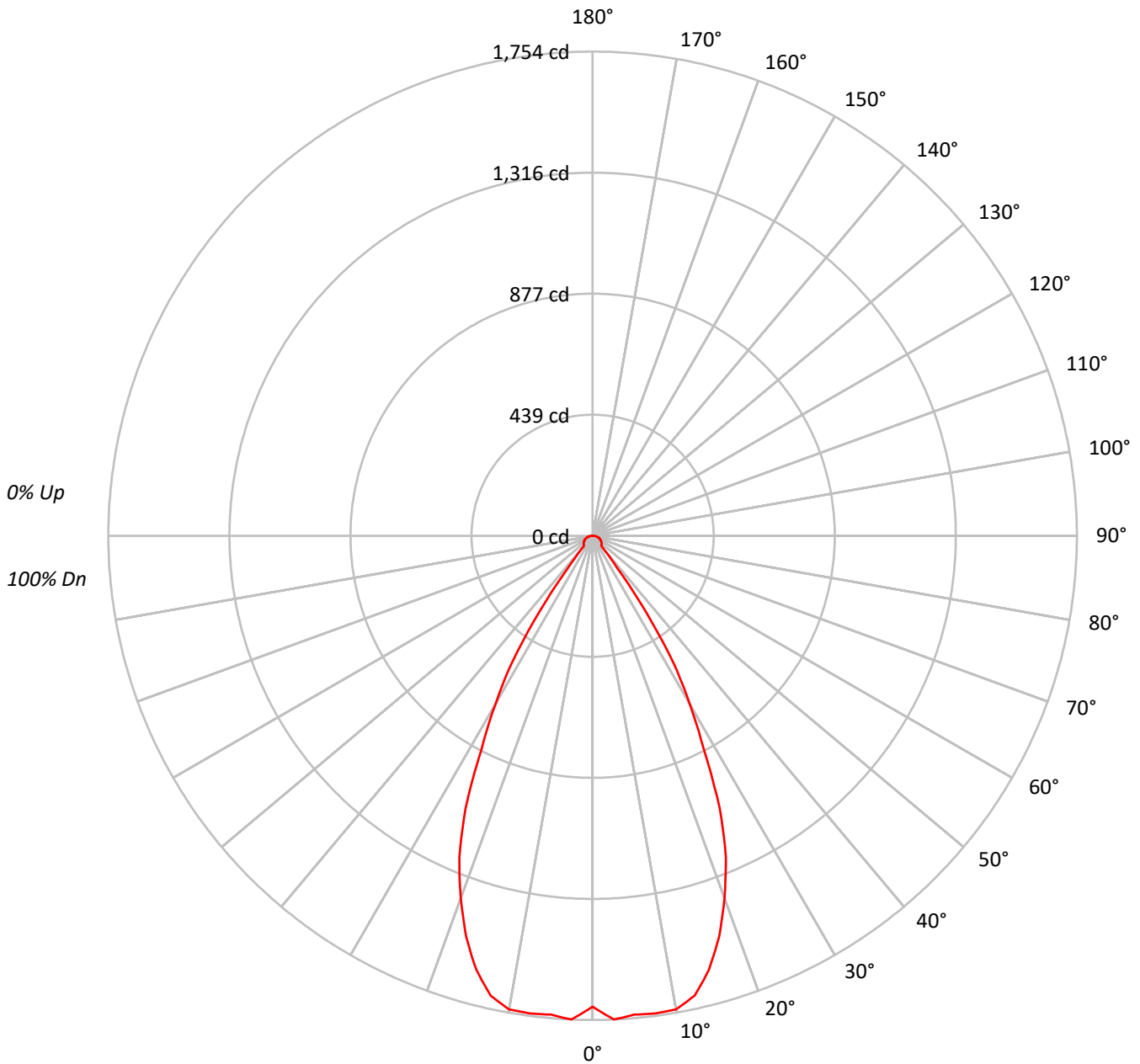
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	186399
5°	190982
10°	193291
15°	184140
20°	162352
25°	131309
30°	88819
35°	44510
40°	7217
45°	7061
50°	7207
55°	7315
60°	7517
65°	7704
70°	7859
75°	7979
80°	7676
85°	6393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 7979 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.4	11.6
10°-20°	450.3	31.3
20°-30°	484.5	33.7
30°-40°	210.6	14.7
40°-50°	35.4	2.5
50°-60°	34.4	2.4
60°-70°	29.4	2.0
70°-80°	19.7	1.4
80°-90°	5.9	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°	1101.2	76.7
0°-40°	1311.7	91.3
0°-60°	1381.5	96.2
0°-90°	1436.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1436.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1706	
5°	1741	166
15°	1628	450
25°	1089	484
35°	334	211
45°	46	35
55°	38	34
65°	30	29
75°	19	20
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1706.0
2.5°	1754.0
5°	1741.3
7.5°	1745.3
10°	1742.2
12.5°	1706.3
15°	1627.9
17.5°	1522.6
20°	1396.3
22.5°	1261.1
25°	1089.2
27.5°	871.2
30°	704.0
32.5°	542.6
35°	333.7
37.5°	142.8
40°	50.6
42.5°	46.6
45°	45.7
47.5°	44.2
50°	42.4
52.5°	40.4
55°	38.4
57.5°	36.4
60°	34.4
62.5°	32.2
65°	29.8
67.5°	27.3
70°	24.6
72.5°	21.8
75°	18.9
77.5°	15.5
80°	12.2
82.5°	8.7
85°	5.1
87.5°	1.8
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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