

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: P788625

Luminaire Tested: LER6D08D010-EC6DR600210IC9030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788625
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-EC6DR600210IC9030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1428.8 lumens
Efficiency: N/A
Efficacy: 160.5 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

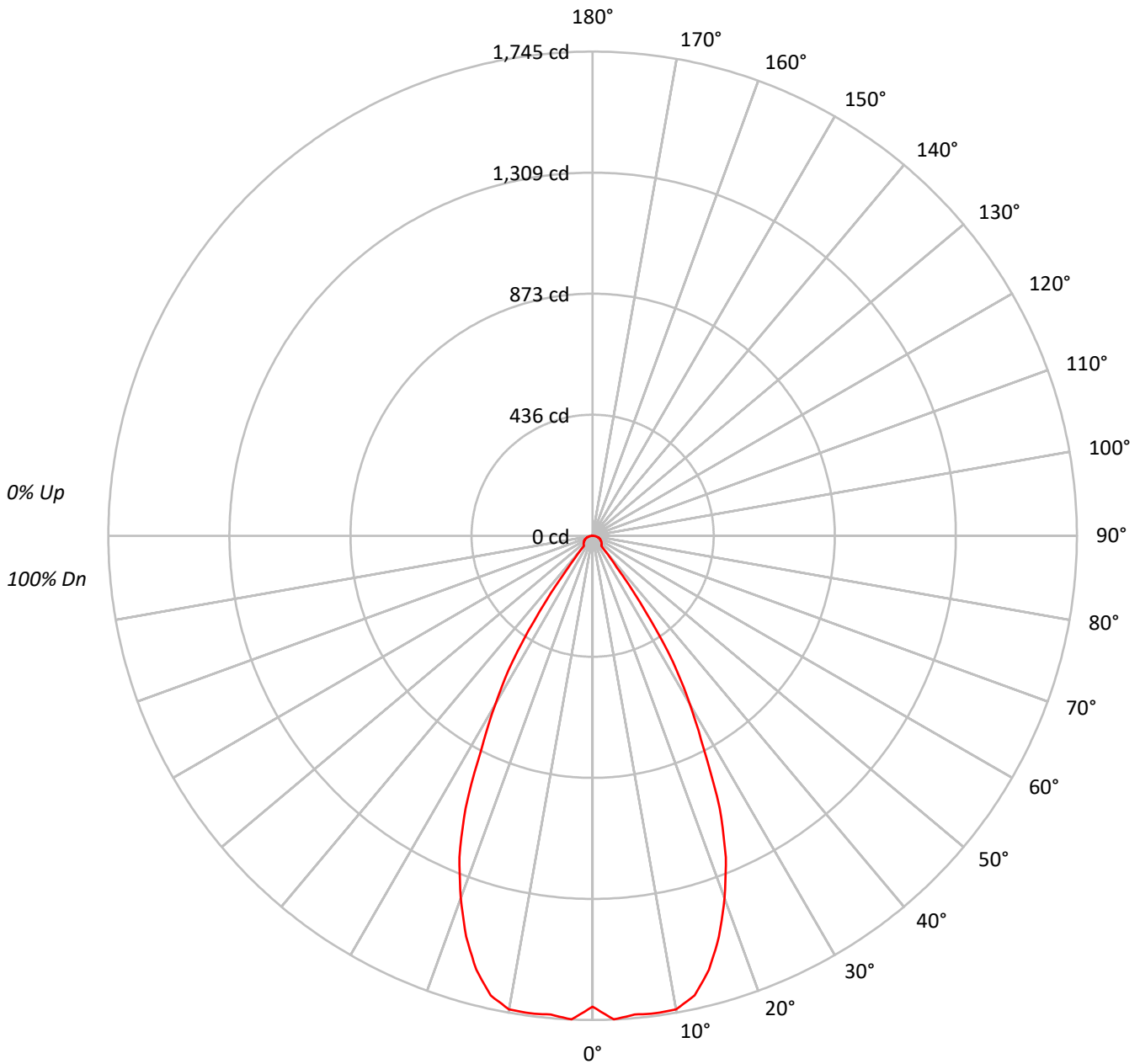


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	185405
5°	189962
10°	192259
15°	183145
20°	161480
25°	130610
30°	88352
35°	44270
40°	7174
45°	7031
50°	7173
55°	7277
60°	7473
65°	7653
70°	7827
75°	7936
80°	7613
85°	6393

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 7936 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.5	11.6
10°-20°	447.9	31.3
20°-30°	481.9	33.7
30°-40°	209.5	14.7
40°-50°	35.2	2.5
50°-60°	34.2	2.4
60°-70°	29.3	2.0
70°-80°	19.6	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°	1095.3	76.7
0°-40°	1304.7	91.3
0°-60°	1374.1	96.2
0°-90°	1428.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1428.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1697	
5°	1732	166
15°	1619	448
25°	1083	482
35°	332	209
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°	1696.9
2.5°	1744.6
5°	1732.0
7.5°	1735.9
10°	1732.9
12.5°	1697.1
15°	1619.1
17.5°	1514.5
20°	1388.8
22.5°	1254.3
25°	1083.4
27.5°	866.5
30°	700.3
32.5°	539.7
35°	331.9
37.5°	142.0
40°	50.3
42.5°	46.4
45°	45.5
47.5°	43.9
50°	42.2
52.5°	40.2
55°	38.2
57.5°	36.2
60°	34.2
62.5°	32.0
65°	29.6
67.5°	27.2
70°	24.5
72.5°	21.6
75°	18.8
77.5°	15.5
80°	12.1
82.5°	8.6
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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(END OF REPORT)