

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: P789271

Luminaire Tested: LER6D10D010-EC6DR600210IC9050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789271
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: LER6D10D010-EC6DR600210IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1535.8 lumens
Efficiency: N/A
Efficacy: 131.3 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): 11.7
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

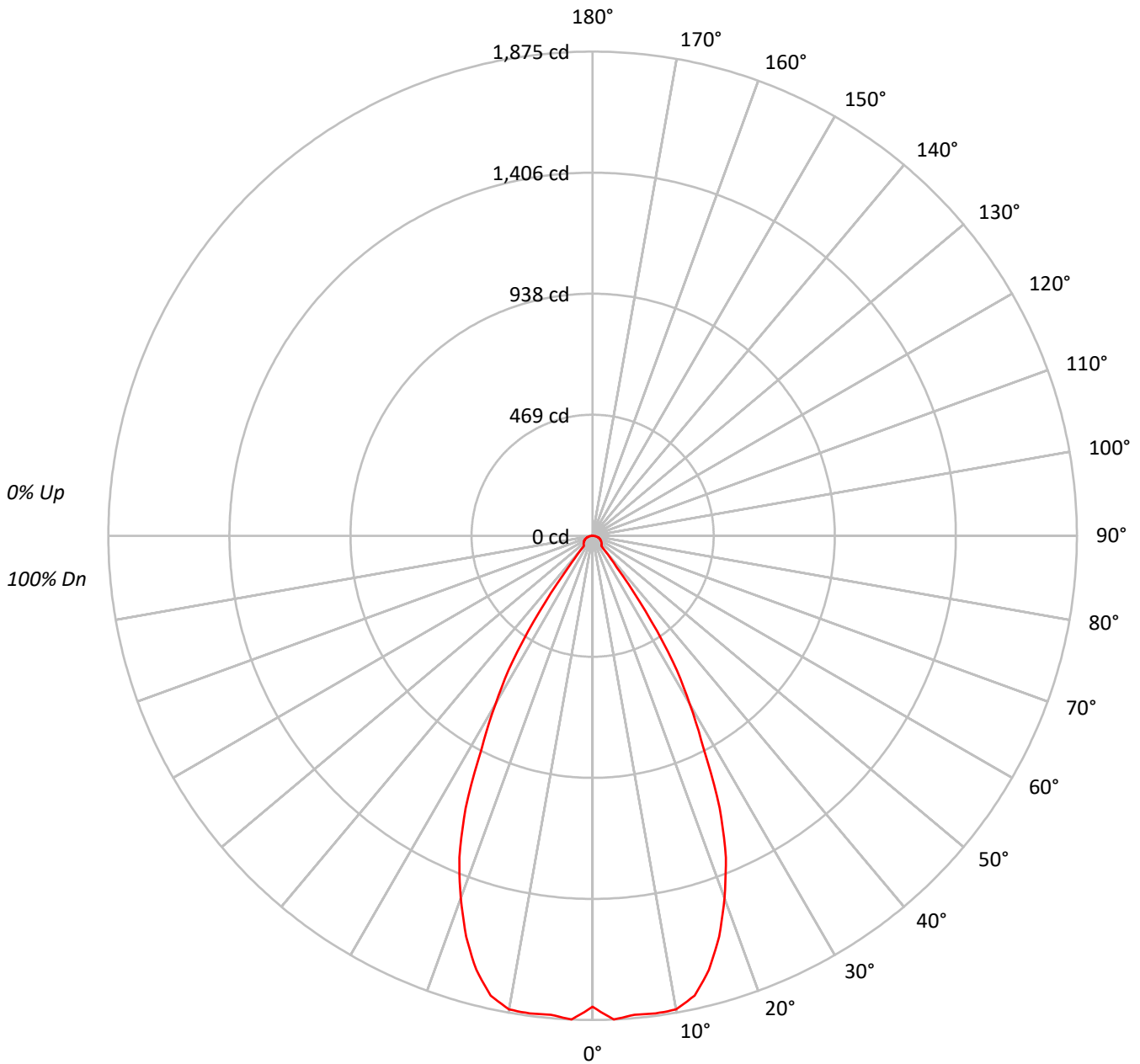


Downlight

TEST NUMBER: P789271

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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			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°	199281
5°	204188
10°	206649
15°	196865
20°	173572
25°	140387
30°	94963
35°	47591
40°	7716
45°	7556
50°	7700
55°	7829
60°	8042
65°	8221
70°	8402
75°	8527
80°	8243
85°	6895

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 8527 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	11.6
10°-20°	481.4	31.3
20°-30°	517.9	33.7
30°-40°	225.1	14.7
40°-50°	37.8	2.5
50°-60°	36.8	2.4
60°-70°	31.4	2.0
70°-80°	21.1	1.4
80°-90°	6.3	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°	1177.3	76.7
0°-40°	1402.4	91.3
0°-60°	1477.0	96.2
0°-90°	1535.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1535.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1824	
5°	1862	178
15°	1740	481
25°	1164	518
35°	357	225
45°	49	38
55°	41	37
65°	32	31
75°	20	21
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1823.9
2.5°	1875.2
5°	1861.7
7.5°	1865.9
10°	1862.6
12.5°	1824.2
15°	1740.4
17.5°	1627.9
20°	1492.8
22.5°	1348.2
25°	1164.5
27.5°	931.4
30°	752.7
32.5°	580.1
35°	356.8
37.5°	152.6
40°	54.1
42.5°	49.8
45°	48.9
47.5°	47.2
50°	45.3
52.5°	43.2
55°	41.1
57.5°	38.9
60°	36.8
62.5°	34.4
65°	31.8
67.5°	29.2
70°	26.3
72.5°	23.3
75°	20.2
77.5°	16.6
80°	13.1
82.5°	9.3
85°	5.5
87.5°	1.9
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)