

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: P789266

Luminaire Tested: LER6D10D010-EC6DR600210IC9040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789266
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-EC6DR600210IC9040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1787.3 lumens
Efficiency: N/A
Efficacy: 152.8 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

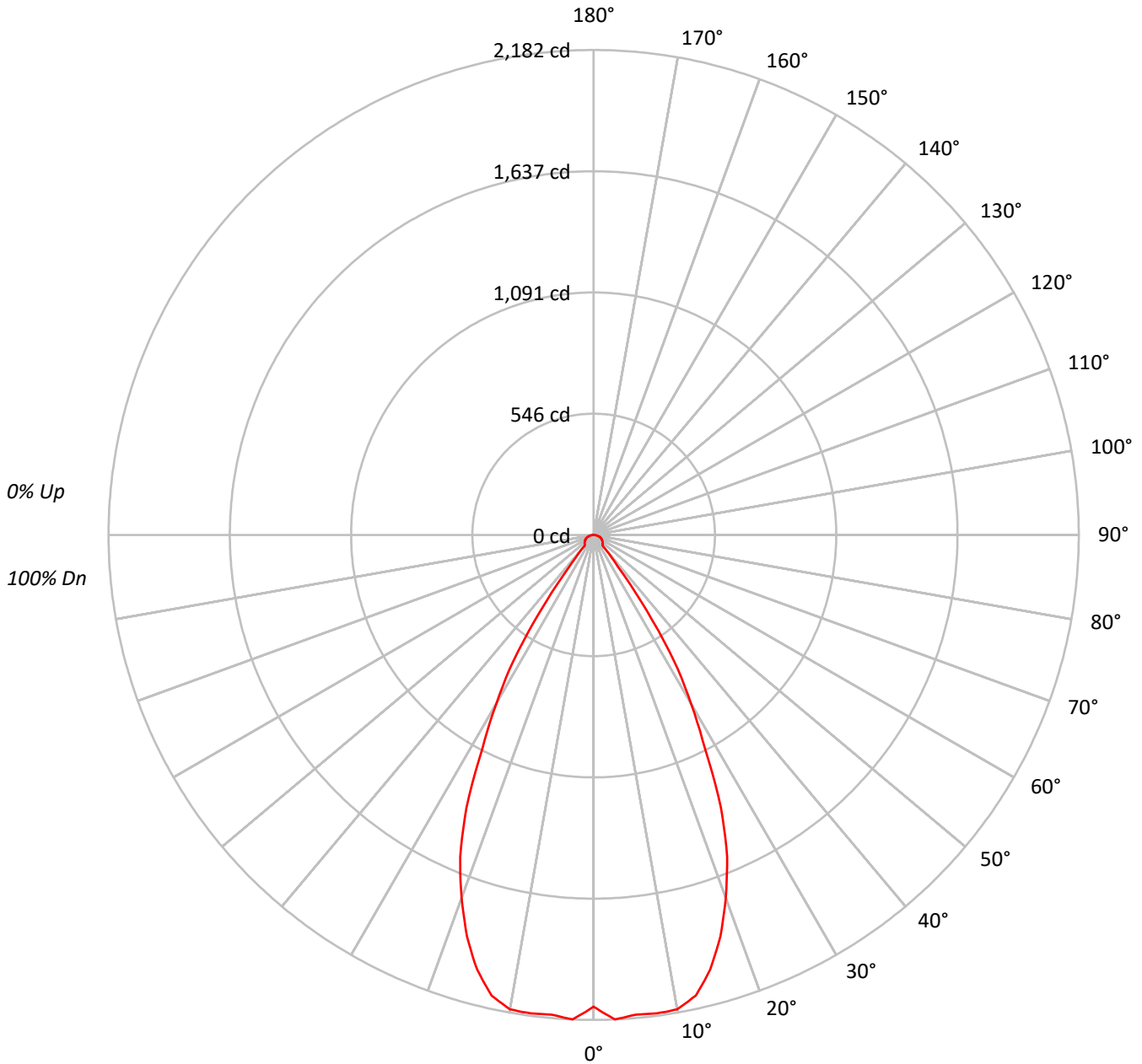
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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°	231917
5°	237618
10°	240487
15°	229092
20°	201989
25°	163377
30°	110507
35°	55381
40°	8986
45°	8792
50°	8975
55°	9105
60°	9353
65°	9566
70°	9807
75°	9921
80°	9564
85°	8023

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 9921 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.1	11.6
10°-20°	560.2	31.3
20°-30°	602.7	33.7
30°-40°	262.0	14.7
40°-50°	44.0	2.5
50°-60°	42.8	2.4
60°-70°	36.6	2.0
70°-80°	24.5	1.4
80°-90°	7.3	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°	1370.0	76.7
0°-40°	1632.0	91.3
0°-60°	1718.8	96.2
0°-90°	1787.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1787.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2123	
5°	2166	207
15°	2025	560
25°	1355	603
35°	415	262
45°	57	44
55°	48	43
65°	37	37
75°	24	24
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2122.6
2.5°	2182.3
5°	2166.5
7.5°	2171.5
10°	2167.6
12.5°	2122.9
15°	2025.3
17.5°	1894.4
20°	1737.2
22.5°	1569.0
25°	1355.2
27.5°	1083.9
30°	875.9
32.5°	675.1
35°	415.2
37.5°	177.6
40°	63.0
42.5°	58.0
45°	56.9
47.5°	55.0
50°	52.8
52.5°	50.3
55°	47.8
57.5°	45.3
60°	42.8
62.5°	40.1
65°	37.0
67.5°	34.0
70°	30.7
72.5°	27.1
75°	23.5
77.5°	19.3
80°	15.2
82.5°	10.8
85°	6.4
87.5°	2.2
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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