

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: P773915

Luminaire Tested: LD6D90BD010-EU6DR6070959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773915
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: LD6D90BD010-EU6DR6070959040-6LBDP1MW
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: 10486.2 lumens
Efficiency: N/A
Efficacy: 106.0 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

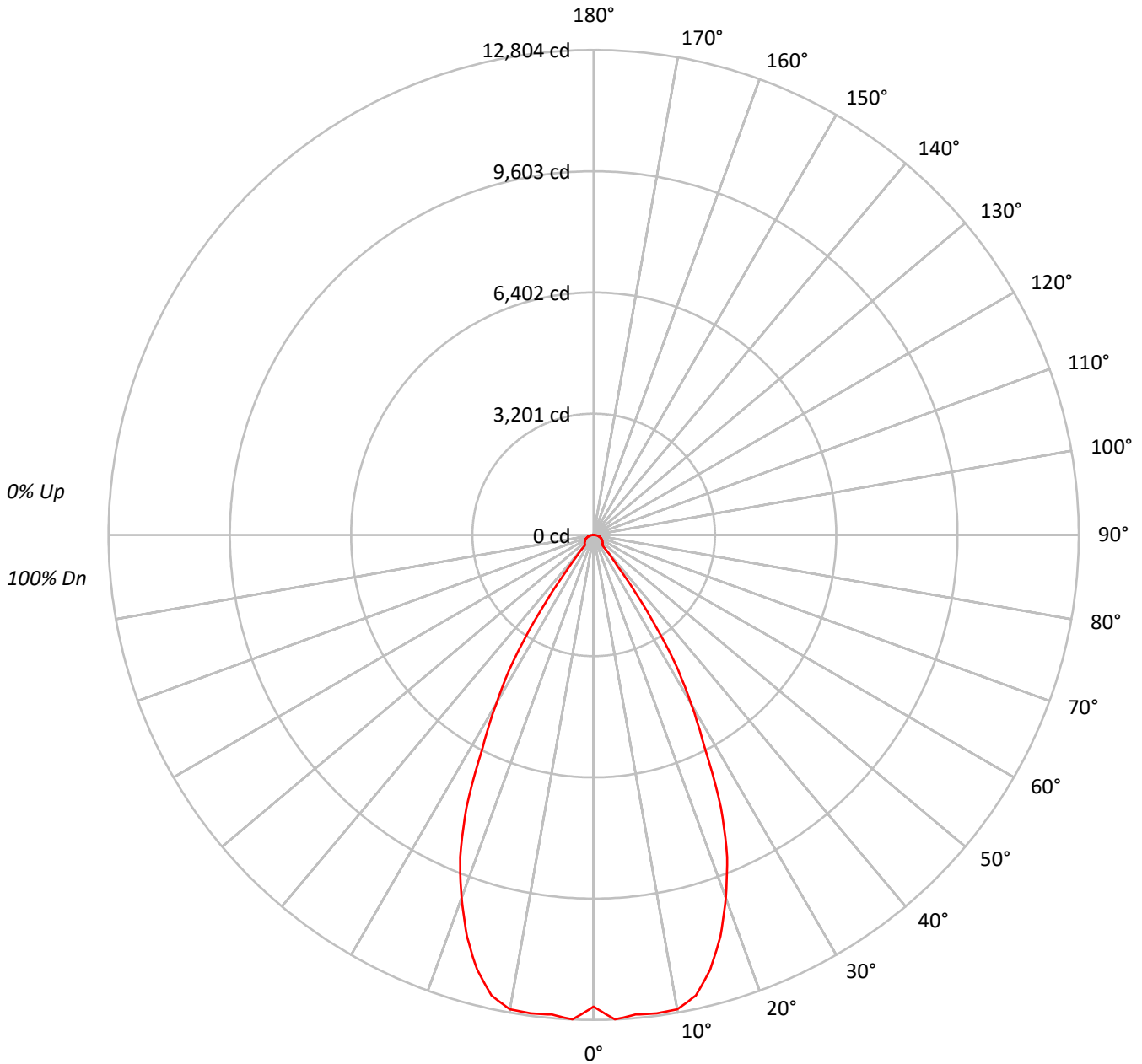
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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
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°	1360690
5°	1394151
10°	1410993
15°	1344158
20°	1185134
25°	958576
30°	648392
35°	324907
40°	52702
45°	51594
50°	52626
55°	53413
60°	54893
65°	56153
70°	57470
75°	58172
80°	56062
85°	46760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 58172 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1214.9	11.6
10°-20°	3286.9	31.3
20°-30°	3536.5	33.7
30°-40°	1537.2	14.7
40°-50°	258.2	2.5
50°-60°	251.1	2.4
60°-70°	214.7	2.0
70°-80°	143.7	1.4
80°-90°	43.0	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°	8038.3	76.7
0°-40°	9575.5	91.3
0°-60°	10084.8	96.2
0°-90°	10486.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10486.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12454	
5°	12711	###
15°	11883	3287
25°	7951	3536
35°	2436	1537
45°	334	258
55°	280	251
65°	217	215
75°	138	144
85°	37	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12453.6
2.5°	12803.7
5°	12711.3
7.5°	12740.5
10°	12717.8
12.5°	12455.3
15°	11883.1
17.5°	11114.9
20°	10192.7
22.5°	9205.7
25°	7951.3
27.5°	6359.7
30°	5139.3
32.5°	3961.0
35°	2435.9
37.5°	1042.1
40°	369.5
42.5°	340.4
45°	333.9
47.5°	322.5
50°	309.6
52.5°	295.0
55°	280.4
57.5°	265.8
60°	251.2
62.5°	235.0
65°	217.2
67.5°	199.3
70°	179.9
72.5°	158.8
75°	137.8
77.5°	113.5
80°	89.1
82.5°	63.2
85°	37.3
87.5°	13.0
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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