

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: P773913

Luminaire Tested: LD6D90BD010-EU6DR6070959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773913
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-EU6DR6070959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11579.1 lumens
Efficiency: N/A
Efficacy: 117.1 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

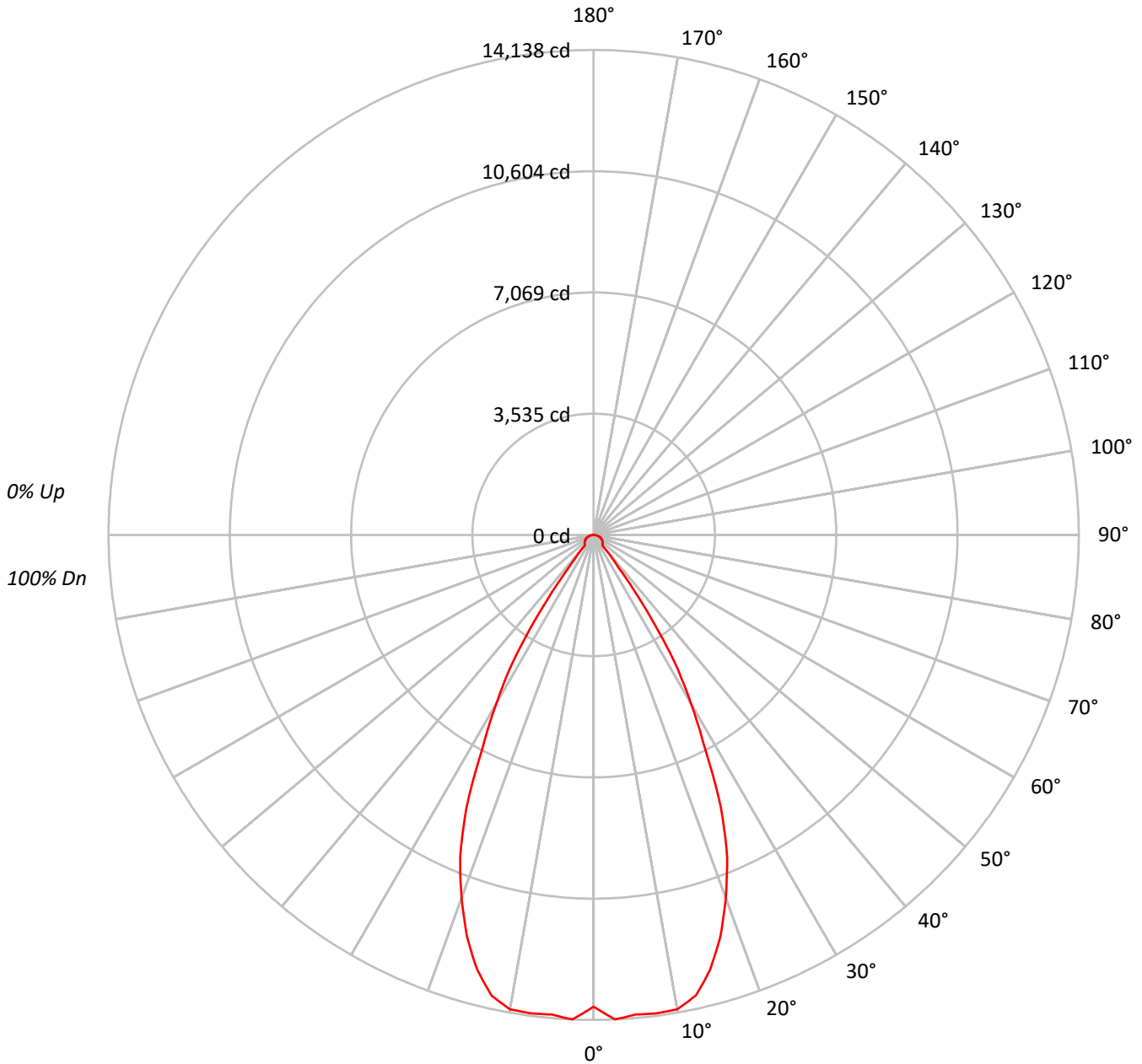
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	1502510
5°	1539464
10°	1558063
15°	1484262
20°	1308663
25°	1058481
30°	715978
35°	358773
40°	58193
45°	56971
50°	58099
55°	58976
60°	60618
65°	61996
70°	63476
75°	64209
80°	61914
85°	51649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 64209 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1341.5	11.6
10°-20°	3629.5	31.3
20°-30°	3905.1	33.7
30°-40°	1697.4	14.7
40°-50°	285.1	2.5
50°-60°	277.2	2.4
60°-70°	237.1	2.0
70°-80°	158.7	1.4
80°-90°	47.5	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°	8876.1	76.7
0°-40°	10573.6	91.3
0°-60°	11135.9	96.2
0°-90°	11579.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11579.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13752	
5°	14036	###
15°	13122	3630
25°	8780	3905
35°	2690	1697
45°	369	285
55°	310	277
65°	240	237
75°	152	159
85°	41	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13751.6
2.5°	14138.2
5°	14036.2
7.5°	14068.4
10°	14043.4
12.5°	13753.4
15°	13121.7
17.5°	12273.4
20°	11255.1
22.5°	10165.2
25°	8780.0
27.5°	7022.6
30°	5675.0
32.5°	4373.9
35°	2689.8
37.5°	1150.7
40°	408.0
42.5°	375.8
45°	368.7
47.5°	356.1
50°	341.8
52.5°	325.7
55°	309.6
57.5°	293.5
60°	277.4
62.5°	259.5
65°	239.8
67.5°	220.1
70°	198.7
72.5°	175.4
75°	152.1
77.5°	125.3
80°	98.4
82.5°	69.8
85°	41.2
87.5°	14.3
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)