

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: P773875

Luminaire Tested: LD6D90BD010-EU6DR6070959027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773875
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-EU6DR6070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11156.8 lumens
Efficiency: N/A
Efficacy: 112.8 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

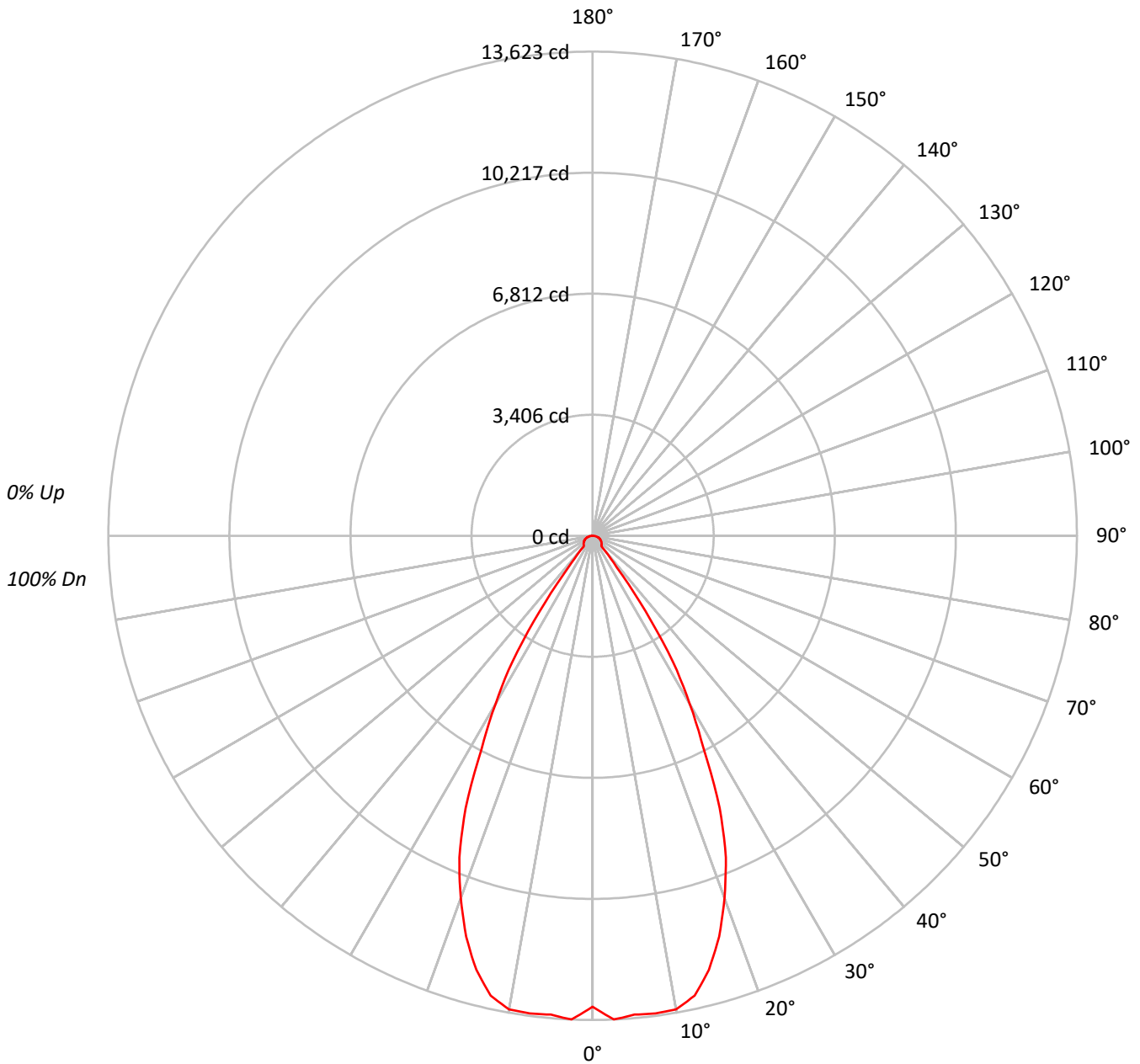
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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																			
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°	1447716
5°	1483320
10°	1501236
15°	1430125
20°	1260933
25°	1019879
30°	689862
35°	345688
40°	56082
45°	54885
50°	55991
55°	56823
60°	58411
65°	59747
70°	61144
75°	61887
80°	59649
85°	49769

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 61887 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1292.6	11.6
10°-20°	3497.2	31.3
20°-30°	3762.7	33.7
30°-40°	1635.6	14.7
40°-50°	274.7	2.5
50°-60°	267.1	2.4
60°-70°	228.5	2.0
70°-80°	152.9	1.4
80°-90°	45.7	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°	8552.4	76.7
0°-40°	10188.0	91.3
0°-60°	10729.8	96.2
0°-90°	11156.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11156.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13250	
5°	13524	###
15°	12643	3497
25°	8460	3763
35°	2592	1636
45°	355	275
55°	298	267
65°	231	228
75°	147	153
85°	40	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13250.1
2.5°	13622.6
5°	13524.3
7.5°	13555.3
10°	13531.2
12.5°	13251.8
15°	12643.1
17.5°	11825.8
20°	10844.6
22.5°	9794.5
25°	8459.8
27.5°	6766.5
30°	5468.0
32.5°	4214.4
35°	2591.7
37.5°	1108.8
40°	393.2
42.5°	362.1
45°	355.2
47.5°	343.2
50°	329.4
52.5°	313.8
55°	298.3
57.5°	282.8
60°	267.3
62.5°	250.0
65°	231.1
67.5°	212.1
70°	191.4
72.5°	169.0
75°	146.6
77.5°	120.7
80°	94.8
82.5°	67.3
85°	39.7
87.5°	13.8
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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