

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: P774687

Luminaire Tested: LD6D95BD010-EU6DR6070959035-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774687
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: LD6D95BD010-EU6DR6070959035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9041.3 lumens
Efficiency: N/A
Efficacy: 91.1 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

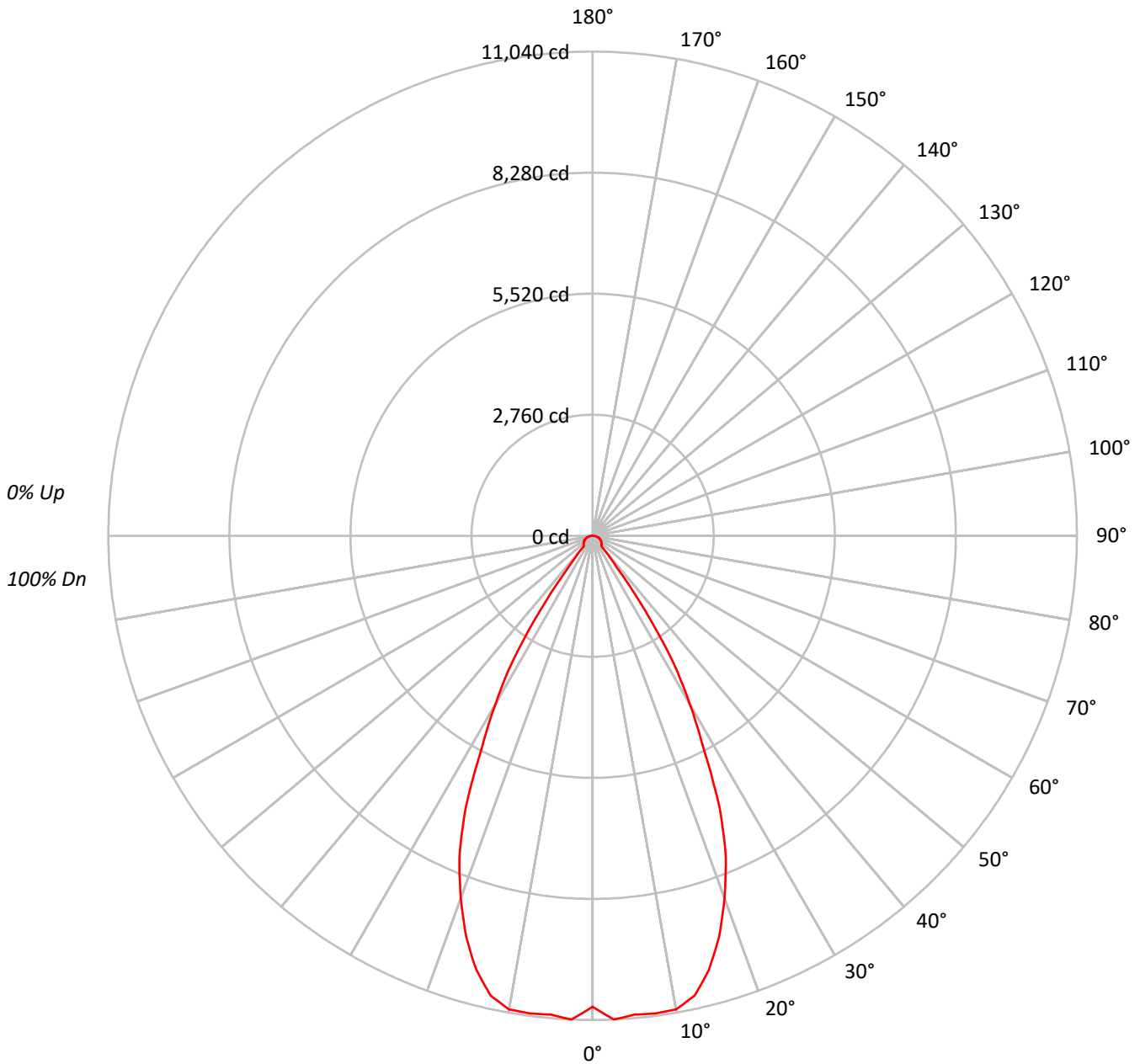
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1173198
5°	1202050
10°	1216570
15°	1158954
20°	1021841
25°	826495
30°	559055
35°	280144
40°	45442
45°	44486
50°	45368
55°	46061
60°	47332
65°	48423
70°	49548
75°	50152
80°	48386
85°	40241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 50152 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.5	11.6
10°-20°	2834.0	31.3
20°-30°	3049.2	33.7
30°-40°	1325.4	14.7
40°-50°	222.6	2.5
50°-60°	216.5	2.4
60°-70°	185.1	2.0
70°-80°	123.9	1.4
80°-90°	37.1	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°	6930.7	76.7
0°-40°	8256.1	91.3
0°-60°	8695.2	96.2
0°-90°	9041.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9041.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10738	
5°	10960	###
15°	10246	2834
25°	6856	3049
35°	2100	1325
45°	288	223
55°	242	216
65°	187	185
75°	119	124
85°	32	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10737.6
2.5°	11039.5
5°	10959.8
7.5°	10985.0
10°	10965.4
12.5°	10739.0
15°	10245.8
17.5°	9583.4
20°	8788.3
22.5°	7937.2
25°	6855.7
27.5°	5483.4
30°	4431.2
32.5°	3415.3
35°	2100.3
37.5°	898.5
40°	318.6
42.5°	293.5
45°	287.9
47.5°	278.1
50°	266.9
52.5°	254.3
55°	241.8
57.5°	229.2
60°	216.6
62.5°	202.6
65°	187.3
67.5°	171.9
70°	155.1
72.5°	136.9
75°	118.8
77.5°	97.8
80°	76.9
82.5°	54.5
85°	32.1
87.5°	11.2
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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