

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: P774039

Luminaire Tested: LD6D90BD010-EU6DR7070959030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774039
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR7070959030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

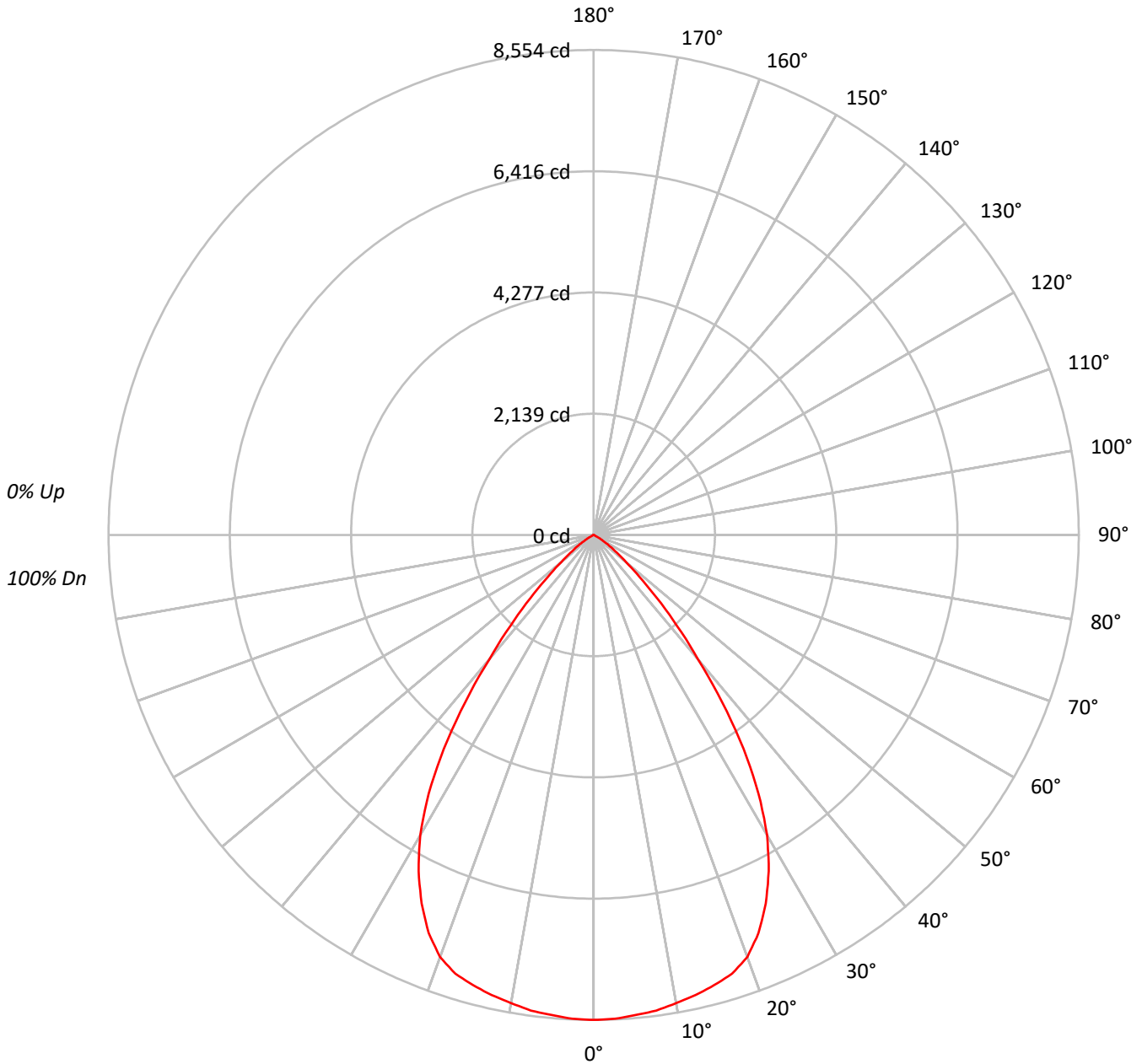
Lumens per Lamp: N/A
Luminaire Lumens: 10837.3 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 98.9
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									
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	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			78																
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71			71																
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			65																
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60			60																
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56			56																
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51																
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48			48																
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44			44																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	934584
5°	932253
10°	930229
15°	929975
20°	920881
25°	865049
30°	771199
35°	614881
40°	408278
45°	244092
50°	126550
55°	66519
60°	23535
65°	388
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 244092 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	808.3	7.5
10°-20°	2318.3	21.4
20°-30°	3270.5	30.2
30°-40°	2823.3	26.1
40°-50°	1264.3	11.7
50°-60°	331.0	3.1
60°-70°	21.5	0.2
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	6397.1	59.0
0°-40°	9220.4	85.1
0°-60°	10815.8	99.8
0°-90°	10837.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10837.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8554	
5°	8500	808
15°	8222	2318
25°	7176	3270
35°	4610	2823
45°	1580	1264
55°	349	331
65°	2	22
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8553.7
2.5°	8544.5
5°	8499.9
7.5°	8463.0
10°	8384.5
12.5°	8313.8
15°	8221.5
17.5°	8115.4
20°	7920.0
22.5°	7598.5
25°	7175.5
27.5°	6684.9
30°	6112.7
32.5°	5412.8
35°	4609.9
37.5°	3723.9
40°	2862.5
42.5°	2175.0
45°	1579.7
47.5°	1089.0
50°	744.5
52.5°	513.7
55°	349.2
57.5°	210.7
60°	107.7
62.5°	33.8
65°	1.5
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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