

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: P773986

Luminaire Tested: LD6D90BD010-EU6DR6570959035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6570959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

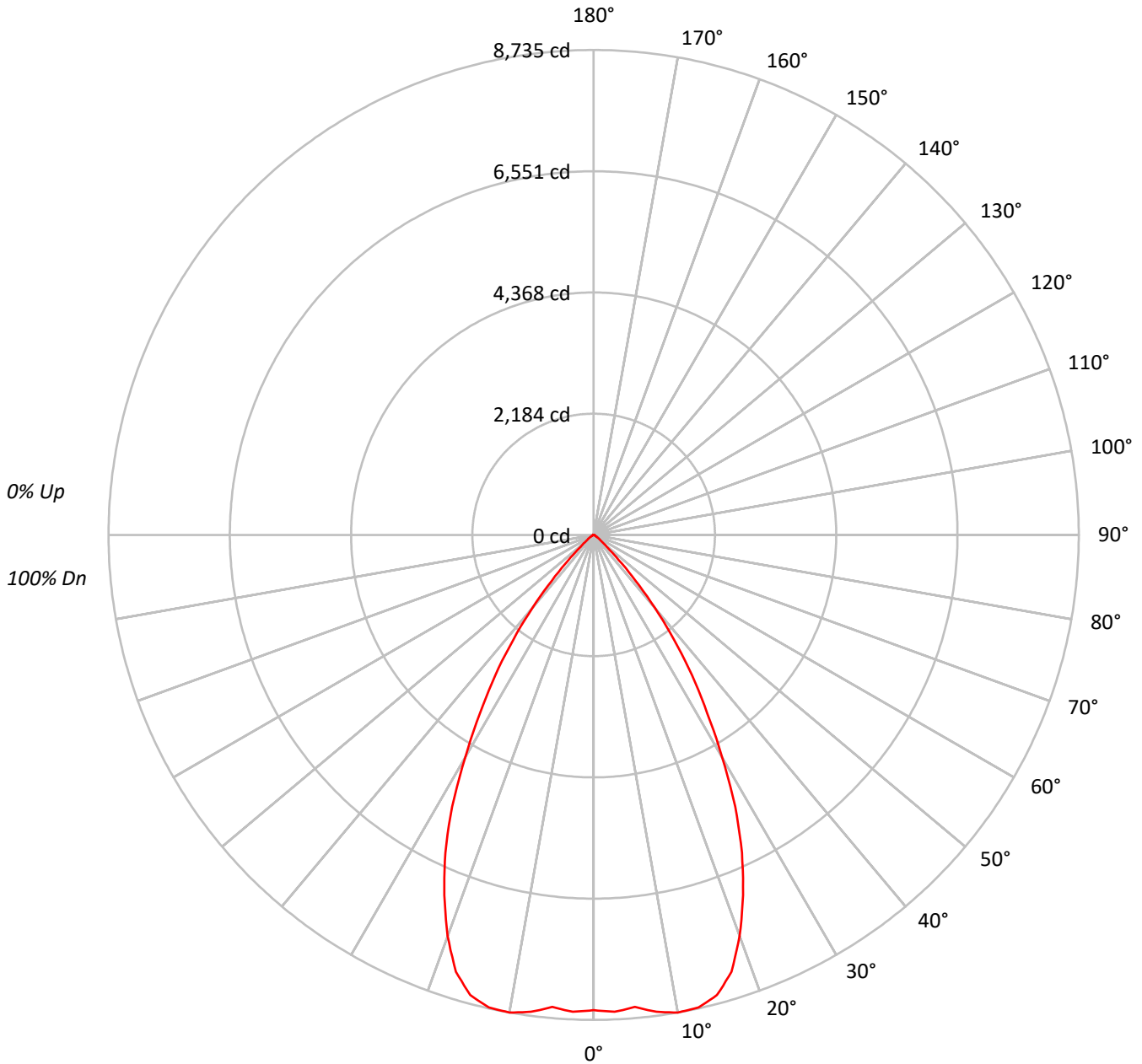
Lumens per Lamp: N/A
Luminaire Lumens: 8695.5 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	935414
5°	936190
10°	969149
15°	970753
20°	893743
25°	761515
30°	582963
35°	411859
40°	243112
45°	98691
50°	35781
55°	19925
60°	11429
65°	6282
70°	6613
75°	5150
80°	5348
85°	4513

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 98691 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.4	9.5
10°-20°	2378.0	27.3
20°-30°	2853.1	32.8
30°-40°	1917.4	22.1
40°-50°	574.0	6.6
50°-60°	101.3	1.2
60°-70°	28.8	0.3
70°-80°	14.1	0.2
80°-90°	4.4	0.1
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°	6055.5	69.6
0°-40°	7972.9	91.7
0°-60°	8648.1	99.5
0°-90°	8695.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8695.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8561	
5°	8536	824
15°	8582	2378
25°	6317	2853
35°	3088	1917
45°	639	574
55°	105	101
65°	24	29
75°	12	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8561.3
2.5°	8597.8
5°	8535.8
7.5°	8664.8
10°	8735.3
12.5°	8718.3
15°	8582.0
17.5°	8248.7
20°	7686.6
22.5°	7024.8
25°	6316.7
27.5°	5517.4
30°	4620.7
32.5°	3808.0
35°	3087.8
37.5°	2376.1
40°	1704.5
42.5°	1113.2
45°	638.7
47.5°	338.2
50°	210.5
52.5°	146.0
55°	104.6
57.5°	75.4
60°	52.3
62.5°	34.1
65°	24.3
67.5°	21.9
70°	20.7
72.5°	15.8
75°	12.2
77.5°	10.9
80°	8.5
82.5°	6.1
85°	3.6
87.5°	2.4
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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