

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: P773245

Luminaire Tested: LD6D85BD010-EU6DR7070959024-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR7070959024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

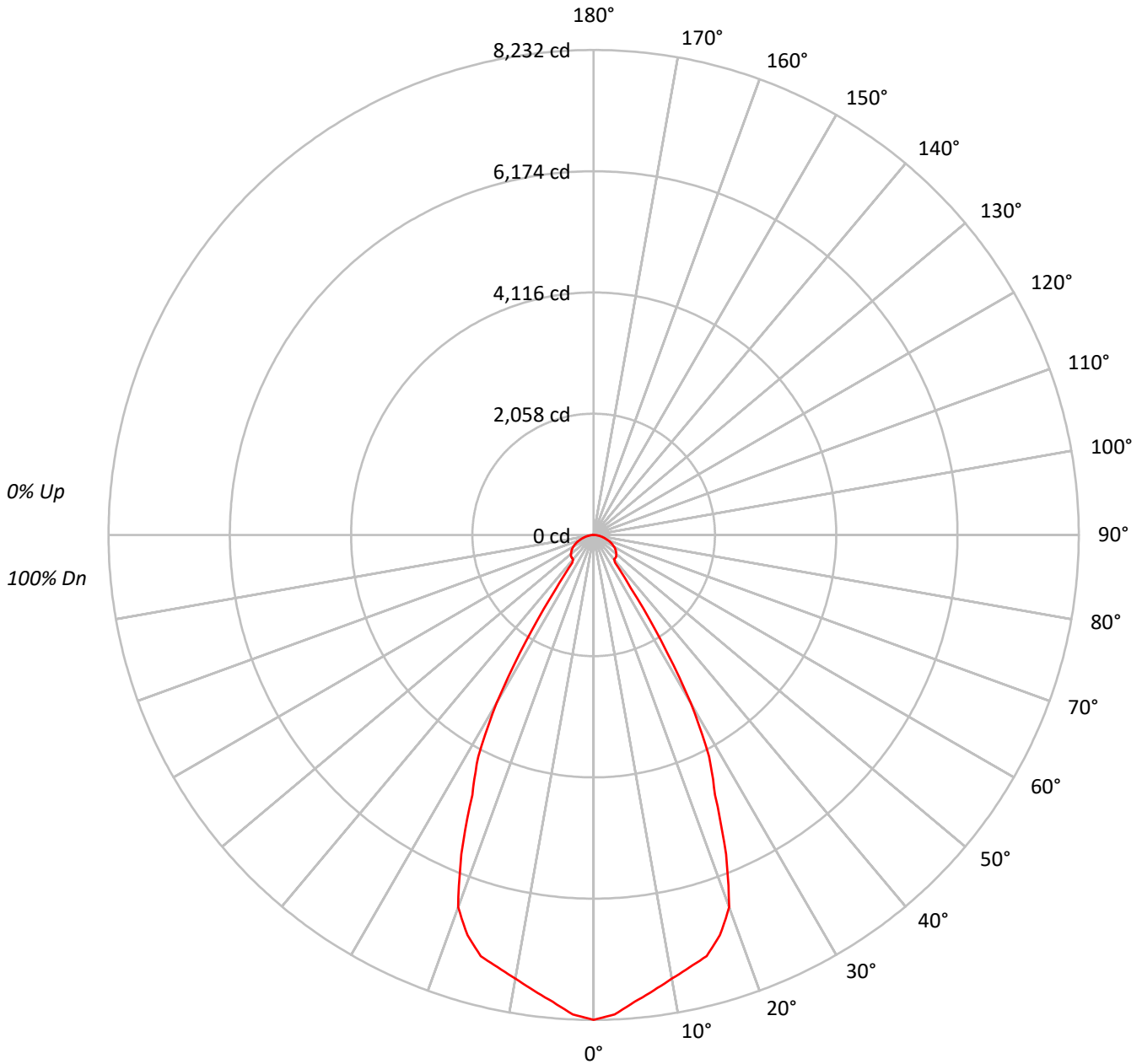
Lumens per Lamp: N/A
Luminaire Lumens: 7321.7 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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	
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83	
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76	
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70	
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65	
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61	
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57	
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53	
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50	
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	899402
5°	872676
10°	848351
15°	837221
20°	781795
25°	587324
30°	415191
35°	147068
40°	77334
45°	82374
50°	85296
55°	86902
60°	87430
65°	85574
70°	80759
75°	74805
80°	66444
85°	53906

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 87462 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	750.5	10.3
10°-20°	2058.6	28.1
20°-30°	2267.2	31.0
30°-40°	866.2	11.8
40°-50°	409.0	5.6
50°-60°	406.6	5.6
60°-70°	325.5	4.4
70°-80°	187.1	2.6
80°-90°	50.9	0.7
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°	5076.3	69.3
0°-40°	5942.5	81.2
0°-60°	6758.2	92.3
0°-90°	7321.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7321.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8232	
5°	7957	750
15°	7402	2059
25°	4872	2267
35°	1103	866
45°	533	409
55°	456	407
65°	331	326
75°	177	187
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8231.7
2.5°	8145.7
5°	7956.7
7.5°	7799.0
10°	7646.5
12.5°	7517.5
15°	7401.5
17.5°	7121.3
20°	6723.8
22.5°	5866.2
25°	4871.8
27.5°	4241.0
30°	3290.9
32.5°	2125.7
35°	1102.6
37.5°	595.6
40°	542.2
42.5°	538.3
45°	533.1
47.5°	521.3
50°	501.8
52.5°	479.6
55°	456.2
57.5°	430.1
60°	400.1
62.5°	366.2
65°	331.0
67.5°	291.9
70°	252.8
72.5°	213.7
75°	177.2
77.5°	139.5
80°	105.6
82.5°	74.3
85°	43.0
87.5°	16.9
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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