

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: P773297

Luminaire Tested: LD6D85BD010-EU6DR7070959040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773297
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-EU6DR7070959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

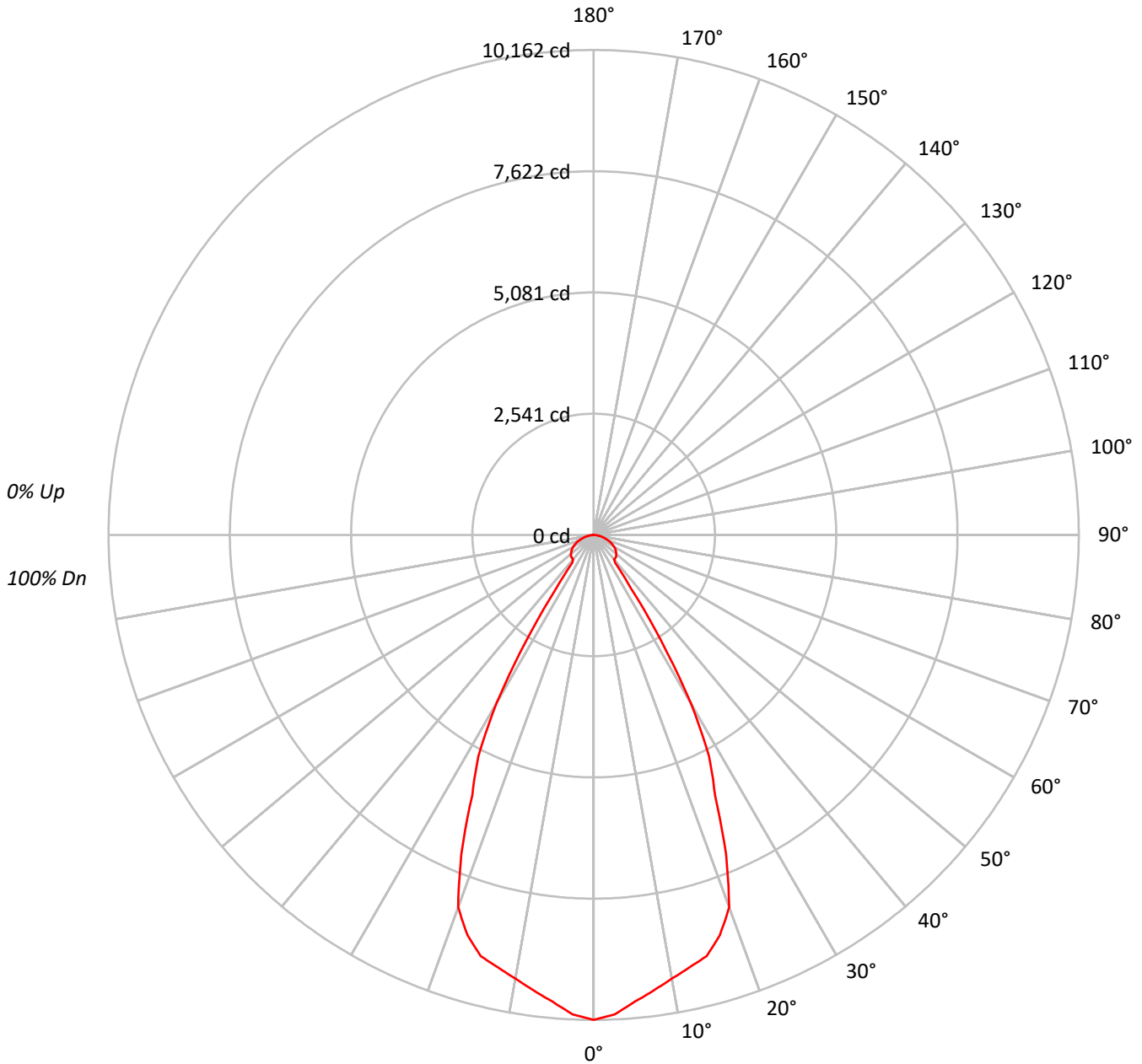
Lumens per Lamp: N/A
Luminaire Lumens: 9038.2 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1110253
5°	1077269
10°	1047233
15°	1033498
20°	965076
25°	725011
30°	512526
35°	181547
40°	95462
45°	101673
50°	105285
55°	107265
60°	107928
65°	105637
70°	99703
75°	92367
80°	81986
85°	66568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 107959 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	926.4	10.3
10°-20°	2541.2	28.1
20°-30°	2798.7	31.0
30°-40°	1069.3	11.8
40°-50°	504.9	5.6
50°-60°	502.0	5.6
60°-70°	401.9	4.4
70°-80°	231.0	2.6
80°-90°	62.8	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°	6266.3	69.3
0°-40°	7335.7	81.2
0°-60°	8342.5	92.3
0°-90°	9038.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9038.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10162	
5°	9822	926
15°	9137	2541
25°	6014	2799
35°	1361	1069
45°	658	505
55°	563	502
65°	409	402
75°	219	231
85°	53	63
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10161.5
2.5°	10055.3
5°	9822.1
7.5°	9627.4
10°	9439.1
12.5°	9279.9
15°	9136.7
17.5°	8790.8
20°	8300.1
22.5°	7241.5
25°	6013.9
27.5°	5235.2
30°	4062.4
32.5°	2624.0
35°	1361.1
37.5°	735.2
40°	669.3
42.5°	664.5
45°	658.0
47.5°	643.5
50°	619.4
52.5°	592.1
55°	563.1
57.5°	530.9
60°	493.9
62.5°	452.1
65°	408.6
67.5°	360.4
70°	312.1
72.5°	263.9
75°	218.8
77.5°	172.1
80°	130.3
82.5°	91.7
85°	53.1
87.5°	20.9
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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