

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: P774856

Luminaire Tested: LD6D95BD010-EU6DR7070959040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774856
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: LD6D95BD010-EU6DR7070959040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

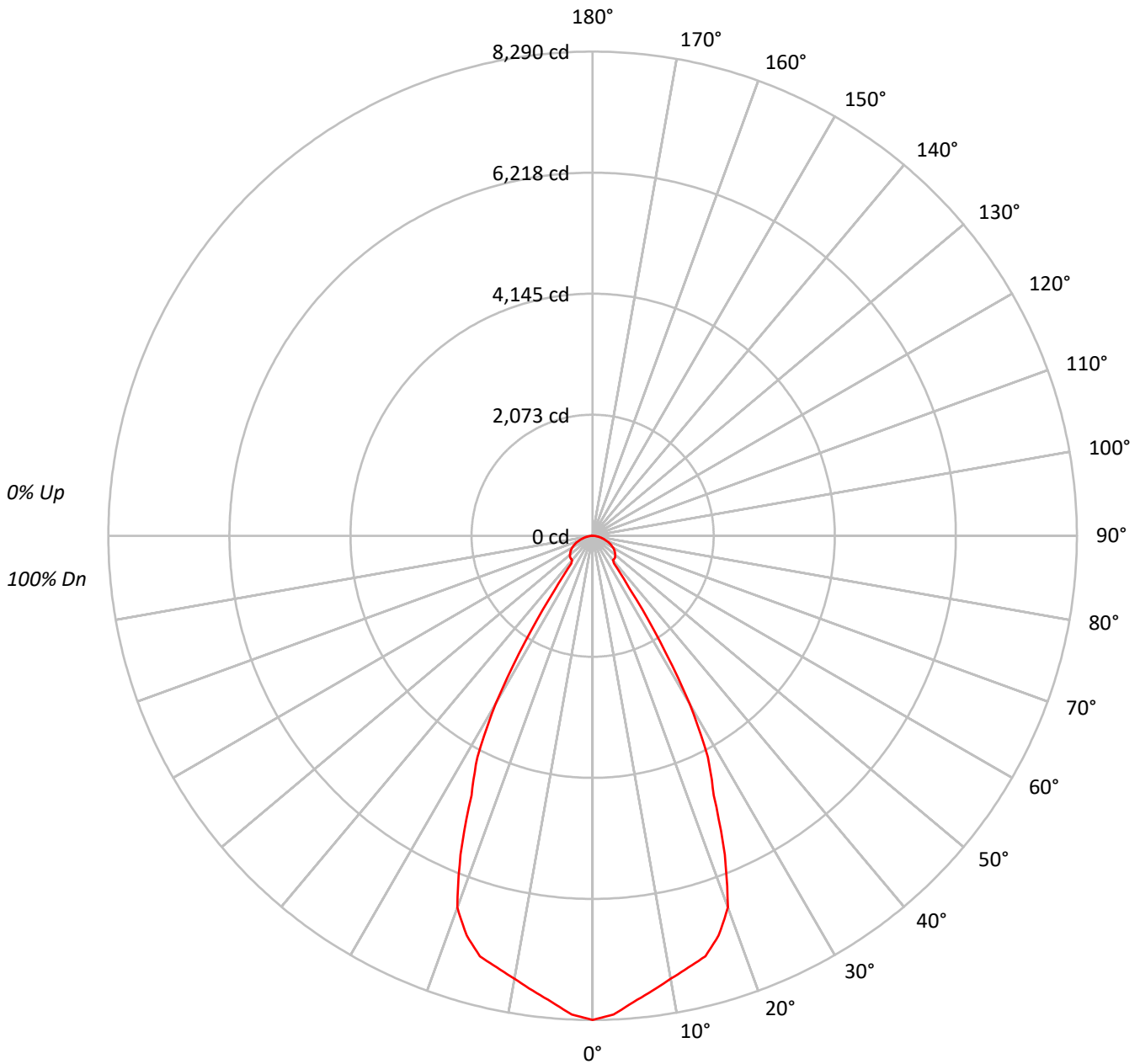
Lumens per Lamp: N/A
Luminaire Lumens: 7373.9 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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									
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°	905815
5°	878906
10°	854408
15°	843194
20°	787377
25°	591508
30°	418144
35°	148122
40°	77876
45°	82961
50°	85908
55°	87511
60°	88064
65°	86195
70°	81334
75°	75354
80°	66885
85°	54282

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 88092 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.8	10.3
10°-20°	2073.2	28.1
20°-30°	2283.4	31.0
30°-40°	872.4	11.8
40°-50°	411.9	5.6
50°-60°	409.5	5.6
60°-70°	327.9	4.4
70°-80°	188.4	2.6
80°-90°	51.2	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°	5112.5	69.3
0°-40°	5984.9	81.2
0°-60°	6806.4	92.3
0°-90°	7373.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7373.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8290	
5°	8014	756
15°	7454	2073
25°	4906	2283
35°	1110	872
45°	537	412
55°	459	410
65°	333	328
75°	178	188
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8290.4
2.5°	8203.8
5°	8013.5
7.5°	7854.7
10°	7701.1
12.5°	7571.1
15°	7454.3
17.5°	7172.1
20°	6771.8
22.5°	5908.1
25°	4906.5
27.5°	4271.2
30°	3314.3
32.5°	2140.9
35°	1110.5
37.5°	599.9
40°	546.0
42.5°	542.1
45°	536.9
47.5°	525.0
50°	505.4
52.5°	483.0
55°	459.4
57.5°	433.2
60°	403.0
62.5°	368.8
65°	333.4
67.5°	294.0
70°	254.6
72.5°	215.3
75°	178.5
77.5°	140.4
80°	106.3
82.5°	74.8
85°	43.3
87.5°	17.1
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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