

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: P774649

Luminaire Tested: LD6D95BD010-EU6DR6070959024-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6070959024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

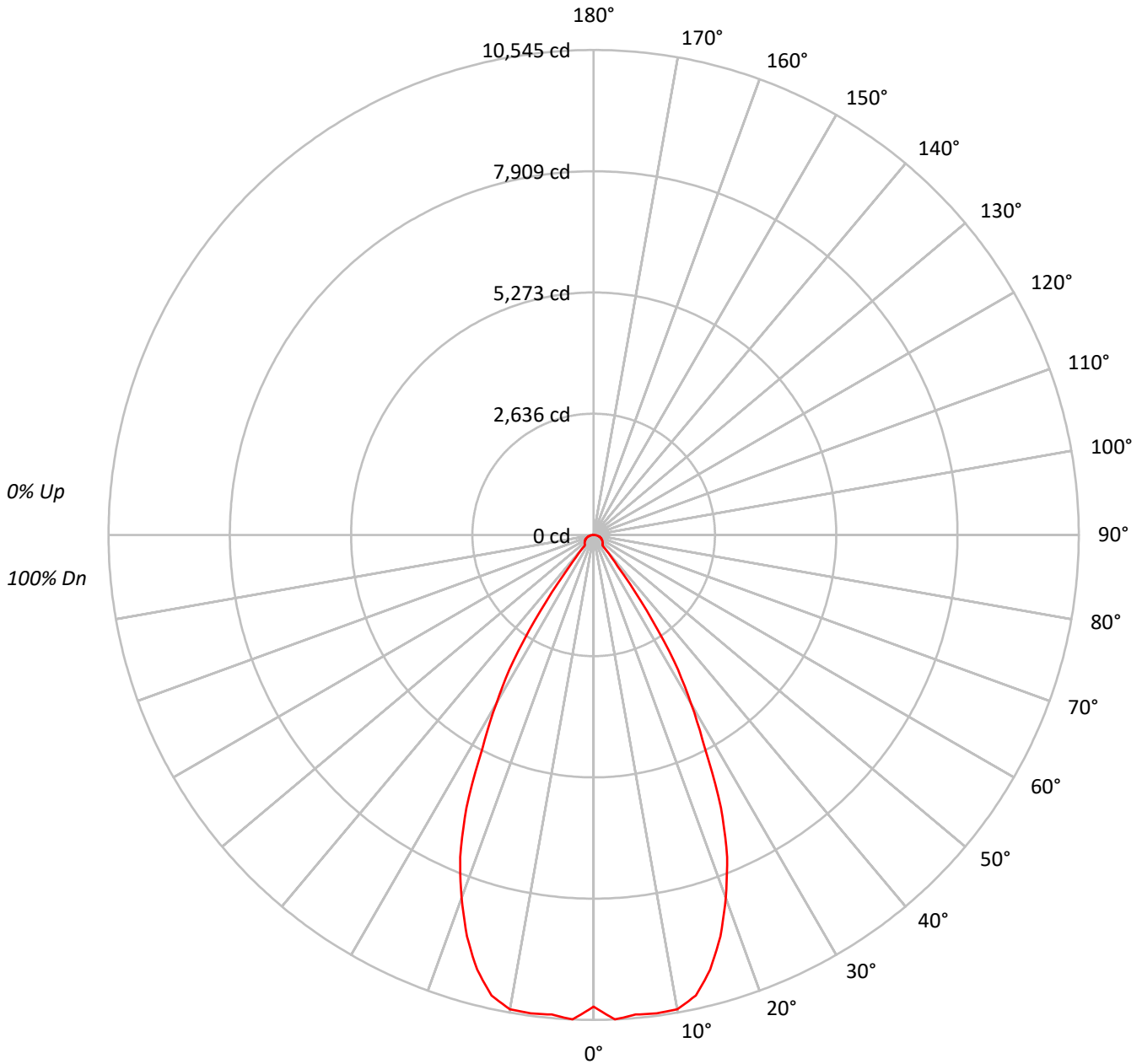
Lumens per Lamp: N/A
Luminaire Lumens: 8636.2 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1120644
5°	1148198
10°	1162062
15°	1107023
20°	976053
25°	789460
30°	533999
35°	267592
40°	43402
45°	42492
50°	43328
55°	43984
60°	45212
65°	46252
70°	47344
75°	47914
80°	46184
85°	38486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 47914 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1000.6	11.6
10°-20°	2707.1	31.3
20°-30°	2912.6	33.7
30°-40°	1266.0	14.7
40°-50°	212.6	2.5
50°-60°	206.7	2.4
60°-70°	176.8	2.0
70°-80°	118.3	1.4
80°-90°	35.4	0.4
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°	6620.2	76.7
0°-40°	7886.2	91.3
0°-60°	8305.6	96.2
0°-90°	8636.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8636.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10257	
5°	10469	###
15°	9787	2707
25°	6548	2913
35°	2006	1266
45°	275	213
55°	231	207
65°	179	177
75°	114	118
85°	31	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10256.6
2.5°	10544.9
5°	10468.8
7.5°	10492.8
10°	10474.1
12.5°	10257.9
15°	9786.7
17.5°	9154.0
20°	8394.5
22.5°	7581.6
25°	6548.5
27.5°	5237.7
30°	4232.6
32.5°	3262.2
35°	2006.2
37.5°	858.3
40°	304.3
42.5°	280.3
45°	275.0
47.5°	265.6
50°	254.9
52.5°	242.9
55°	230.9
57.5°	218.9
60°	206.9
62.5°	193.5
65°	178.9
67.5°	164.2
70°	148.2
72.5°	130.8
75°	113.5
77.5°	93.4
80°	73.4
82.5°	52.1
85°	30.7
87.5°	10.7
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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