

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: P774661

Luminaire Tested: LD6D95BD010-EU6DR6070959027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774661
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-EU6DR6070959027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

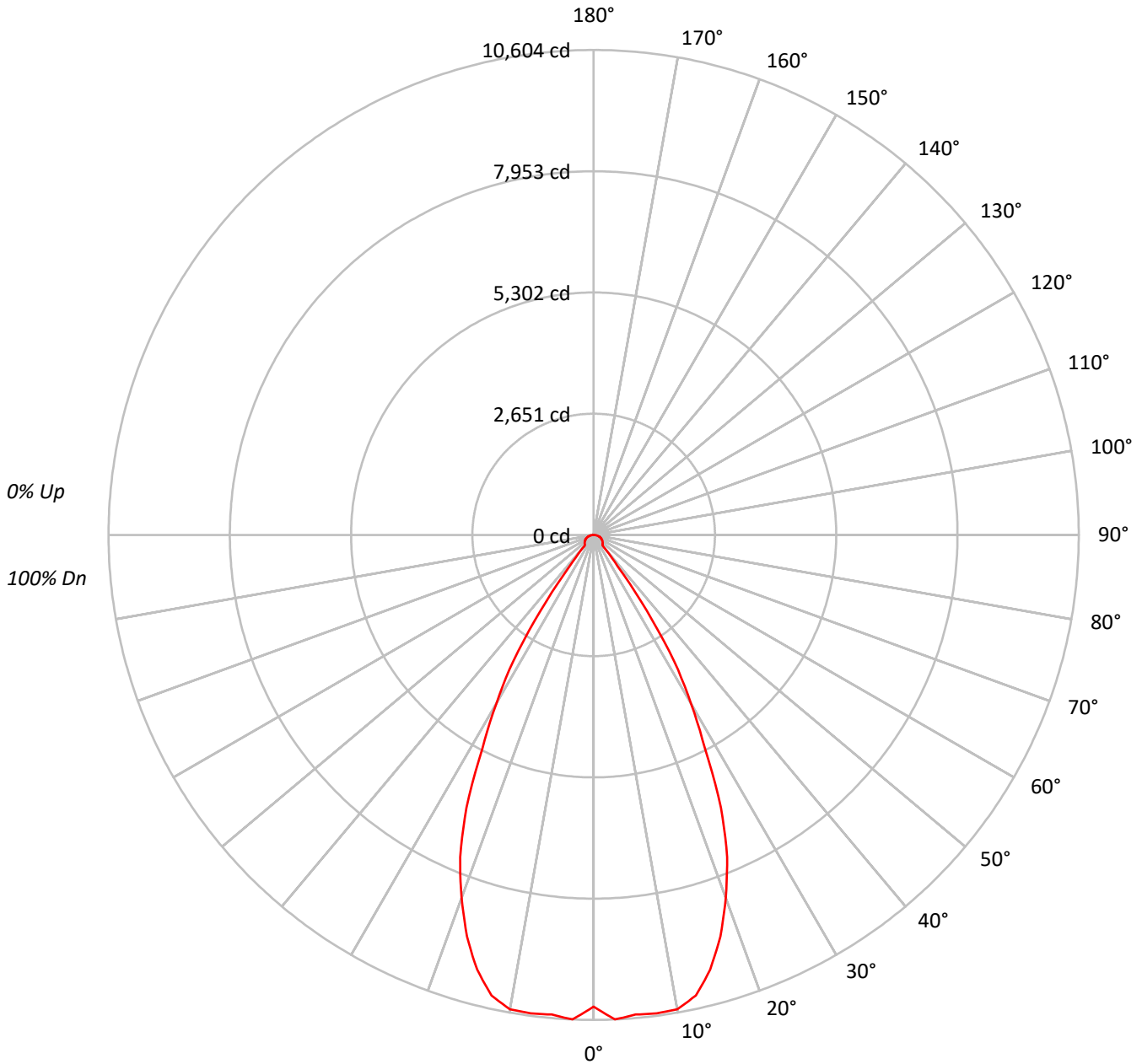
Lumens per Lamp: N/A
Luminaire Lumens: 8684.5 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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°	1126915
5°	1154625
10°	1168575
15°	1113222
20°	981529
25°	793885
30°	536990
35°	269086
40°	43645
45°	42724
50°	43583
55°	44232
60°	45474
65°	46510
70°	47599
75°	48167
80°	46436
85°	38737

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 48167 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1006.2	11.6
10°-20°	2722.2	31.3
20°-30°	2928.9	33.7
30°-40°	1273.1	14.7
40°-50°	213.8	2.5
50°-60°	207.9	2.4
60°-70°	177.8	2.0
70°-80°	119.0	1.4
80°-90°	35.6	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°	6657.3	76.7
0°-40°	7930.4	91.3
0°-60°	8352.1	96.2
0°-90°	8684.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8684.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10314	
5°	10527	###
15°	9842	2722
25°	6585	2929
35°	2017	1273
45°	276	214
55°	232	208
65°	180	178
75°	114	119
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10314.0
2.5°	10604.0
5°	10527.4
7.5°	10551.6
10°	10532.8
12.5°	10315.4
15°	9841.5
17.5°	9205.3
20°	8441.6
22.5°	7624.1
25°	6585.2
27.5°	5267.1
30°	4256.3
32.5°	3280.5
35°	2017.4
37.5°	863.1
40°	306.0
42.5°	281.9
45°	276.5
47.5°	267.1
50°	256.4
52.5°	244.3
55°	232.2
57.5°	220.1
60°	208.1
62.5°	194.6
65°	179.9
67.5°	165.1
70°	149.0
72.5°	131.5
75°	114.1
77.5°	94.0
80°	73.8
82.5°	52.3
85°	30.9
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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