

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: P772347

Luminaire Tested: LD6D80BD010-EU6DR6070959035-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772347
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: LD6D80BD010-EU6DR6070959035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

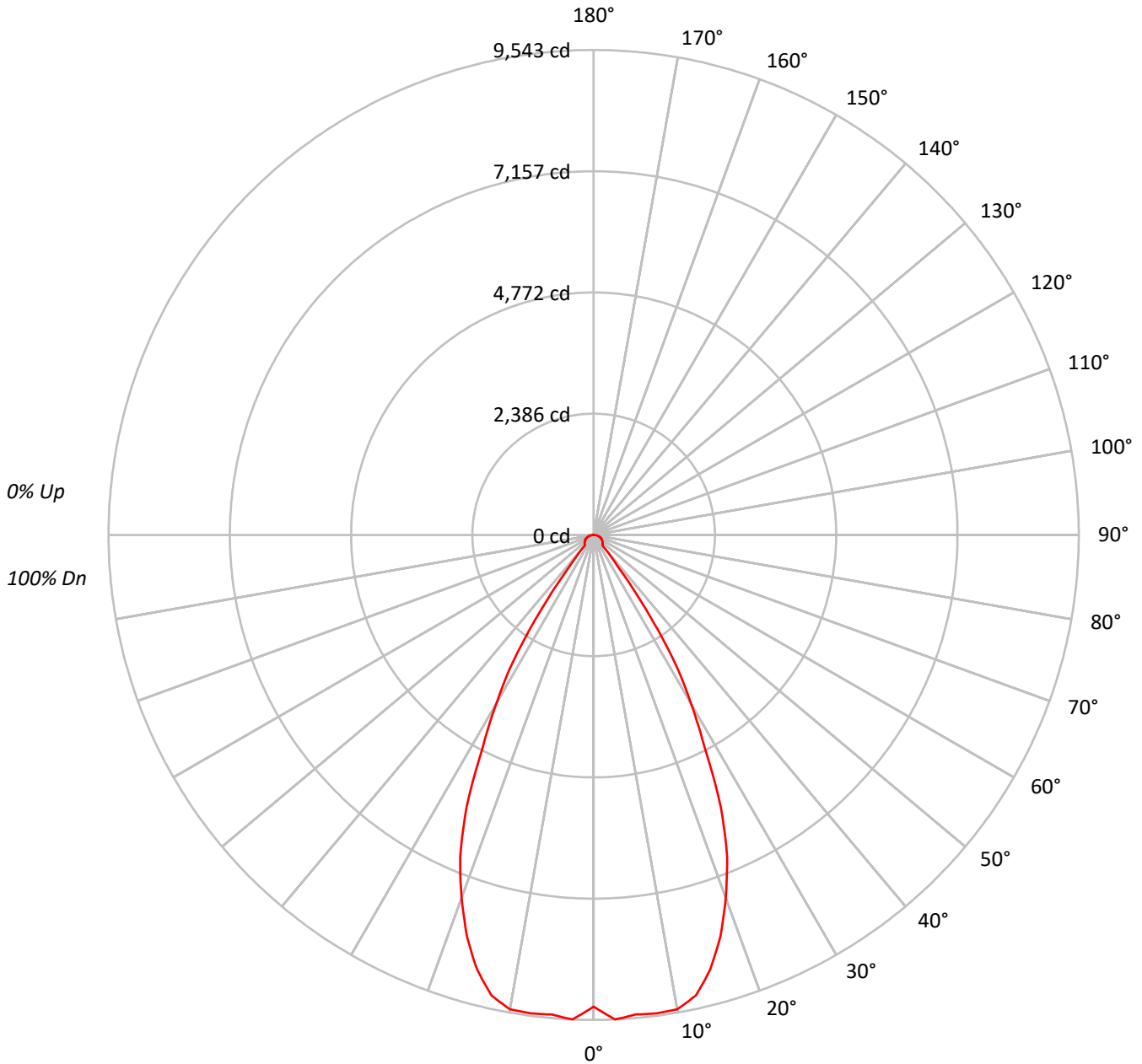
Lumens per Lamp: N/A
Luminaire Lumens: 7816.1 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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
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°	1014213
5°	1039156
10°	1051704
15°	1001894
20°	883360
25°	714487
30°	483294
35°	242183
40°	39280
45°	38460
50°	39214
55°	39812
60°	40907
65°	41856
70°	42839
75°	43355
80°	41779
85°	34851

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 43355 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	905.5	11.6
10°-20°	2450.0	31.3
20°-30°	2636.0	33.7
30°-40°	1145.8	14.7
40°-50°	192.5	2.5
50°-60°	187.1	2.4
60°-70°	160.1	2.0
70°-80°	107.1	1.4
80°-90°	32.0	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°	5991.5	76.7
0°-40°	7137.3	91.3
0°-60°	7516.9	96.2
0°-90°	7816.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7816.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9282	
5°	9475	906
15°	8857	2450
25°	5927	2636
35°	1816	1146
45°	249	192
55°	209	187
65°	162	160
75°	103	107
85°	28	32
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9282.5
2.5°	9543.4
5°	9474.6
7.5°	9496.3
10°	9479.4
12.5°	9283.7
15°	8857.3
17.5°	8284.7
20°	7597.3
22.5°	6861.6
25°	5926.6
27.5°	4740.3
30°	3830.7
32.5°	2952.4
35°	1815.7
37.5°	776.8
40°	275.4
42.5°	253.7
45°	248.9
47.5°	240.4
50°	230.7
52.5°	219.9
55°	209.0
57.5°	198.1
60°	187.2
62.5°	175.2
65°	161.9
67.5°	148.6
70°	134.1
72.5°	118.4
75°	102.7
77.5°	84.6
80°	66.4
82.5°	47.1
85°	27.8
87.5°	9.7
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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(END OF REPORT)