

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: P773141

Luminaire Tested: LD6D85BD010-EU6DR6070959040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773141
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: LD6D85BD010-EU6DR6070959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9811.2 lumens
Efficiency: N/A
Efficacy: 111.9 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

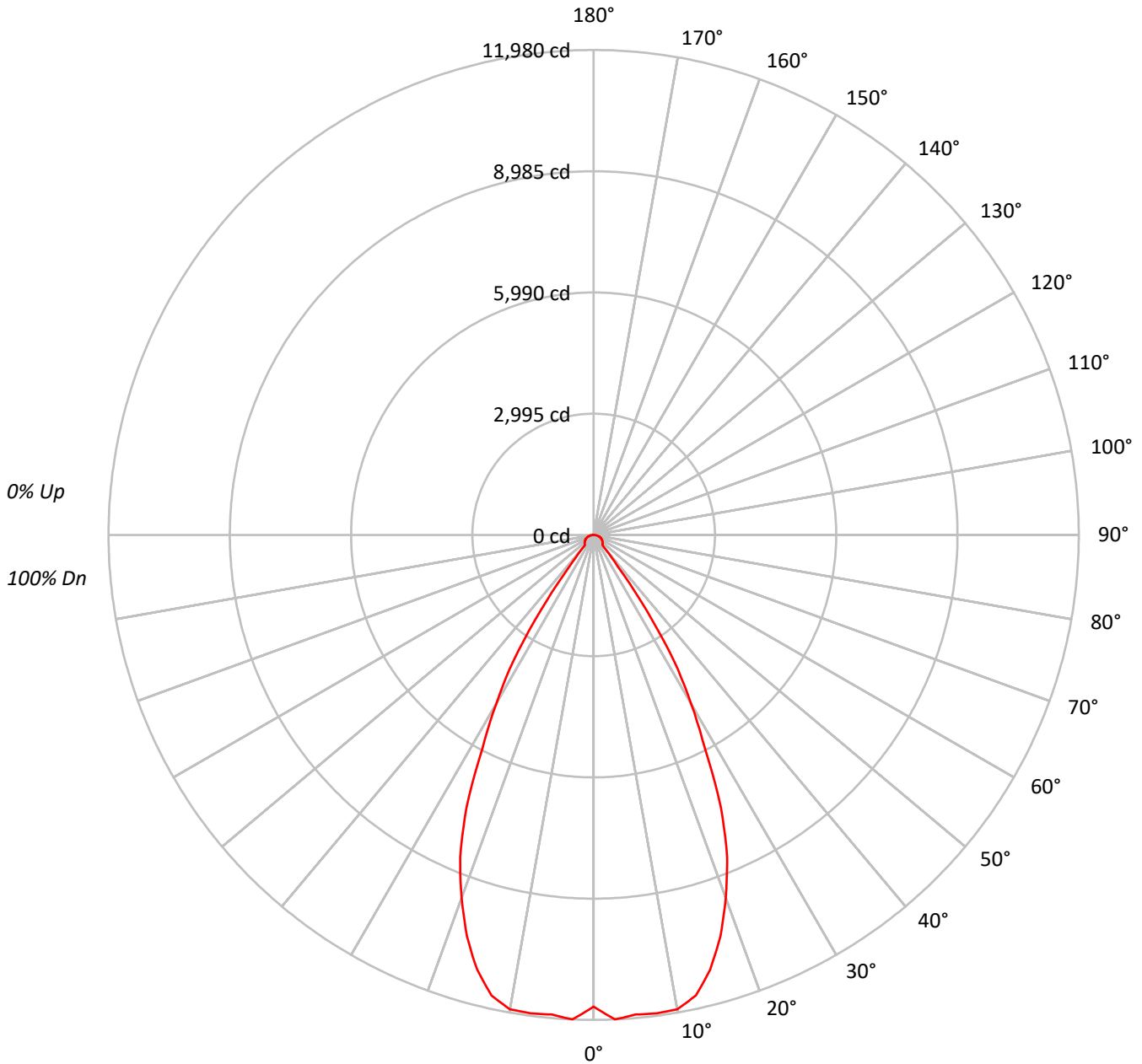
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93						93													
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						86													
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80						80													
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75						75													
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70						70													
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66						66													
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62						62													
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59						59													
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55						55													
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53						53													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1273117
5°	1304424
10°	1320172
15°	1257647
20°	1108859
25°	896876
30°	606657
35°	304006
40°	49307
45°	48271
50°	49226
55°	49966
60°	51353
65°	52534
70°	53765
75°	54415
80°	52476
85°	43752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 54415 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1136.7	11.6
10°-20°	3075.4	31.3
20°-30°	3308.9	33.7
30°-40°	1438.3	14.7
40°-50°	241.6	2.5
50°-60°	234.9	2.4
60°-70°	200.9	2.0
70°-80°	134.4	1.4
80°-90°	40.2	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°	7520.9	76.7
0°-40°	8959.2	91.3
0°-60°	9435.7	96.2
0°-90°	9811.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9811.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11652	
5°	11893	###
15°	11118	3075
25°	7440	3309
35°	2279	1438
45°	312	242
55°	262	235
65°	203	201
75°	129	134
85°	35	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11652.1
2.5°	11979.6
5°	11893.2
7.5°	11920.5
10°	11899.2
12.5°	11653.6
15°	11118.3
17.5°	10399.5
20°	9536.7
22.5°	8613.2
25°	7439.5
27.5°	5950.4
30°	4808.5
32.5°	3706.1
35°	2279.2
37.5°	975.0
40°	345.7
42.5°	318.4
45°	312.4
47.5°	301.8
50°	289.6
52.5°	276.0
55°	262.3
57.5°	248.7
60°	235.0
62.5°	219.9
65°	203.2
67.5°	186.5
70°	168.3
72.5°	148.6
75°	128.9
77.5°	106.1
80°	83.4
82.5°	59.1
85°	34.9
87.5°	12.1
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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