

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: P772348

Luminaire Tested: LD6D80BD010-EU6DR6070959035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772348
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-EU6DR6070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8804.5 lumens
Efficiency: N/A
Efficacy: 111.6 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

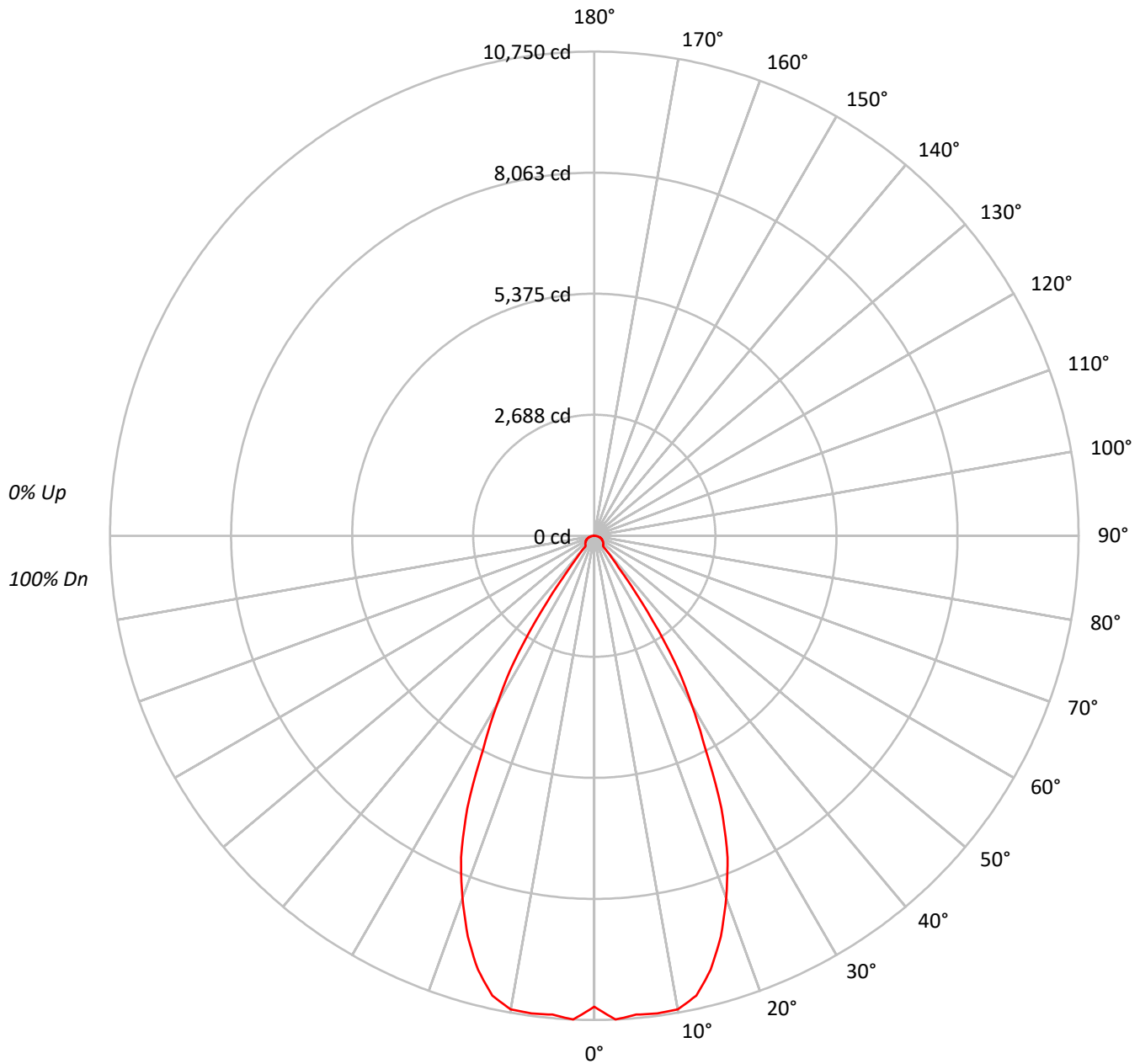
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1142474
5°	1170573
10°	1184718
15°	1128594
20°	995075
25°	804843
30°	544408
35°	272808
40°	44258
45°	43311
50°	44178
55°	44841
60°	46086
65°	47131
70°	48238
75°	48843
80°	47065
85°	39239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 48843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1020.1	11.6
10°-20°	2759.8	31.3
20°-30°	2969.3	33.7
30°-40°	1290.7	14.7
40°-50°	216.8	2.5
50°-60°	210.8	2.4
60°-70°	180.3	2.0
70°-80°	120.7	1.4
80°-90°	36.1	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°	6749.2	76.7
0°-40°	8039.9	91.3
0°-60°	8467.5	96.2
0°-90°	8804.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8804.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10456	
5°	10673	###
15°	9977	2760
25°	6676	2969
35°	2045	1291
45°	280	217
55°	235	211
65°	182	180
75°	116	121
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10456.4
2.5°	10750.4
5°	10672.8
7.5°	10697.3
10°	10678.3
12.5°	10457.8
15°	9977.4
17.5°	9332.4
20°	8558.1
22.5°	7729.4
25°	6676.1
27.5°	5339.8
30°	4315.1
32.5°	3325.8
35°	2045.3
37.5°	875.0
40°	310.3
42.5°	285.8
45°	280.3
47.5°	270.8
50°	259.9
52.5°	247.7
55°	235.4
57.5°	223.2
60°	210.9
62.5°	197.3
65°	182.3
67.5°	167.4
70°	151.0
72.5°	133.4
75°	115.7
77.5°	95.3
80°	74.8
82.5°	53.1
85°	31.3
87.5°	10.9
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)