

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: P773128

Luminaire Tested: LD6D85BD010-EU6DR6070959035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773128
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-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: 9373.0 lumens
Efficiency: N/A
Efficacy: 106.9 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

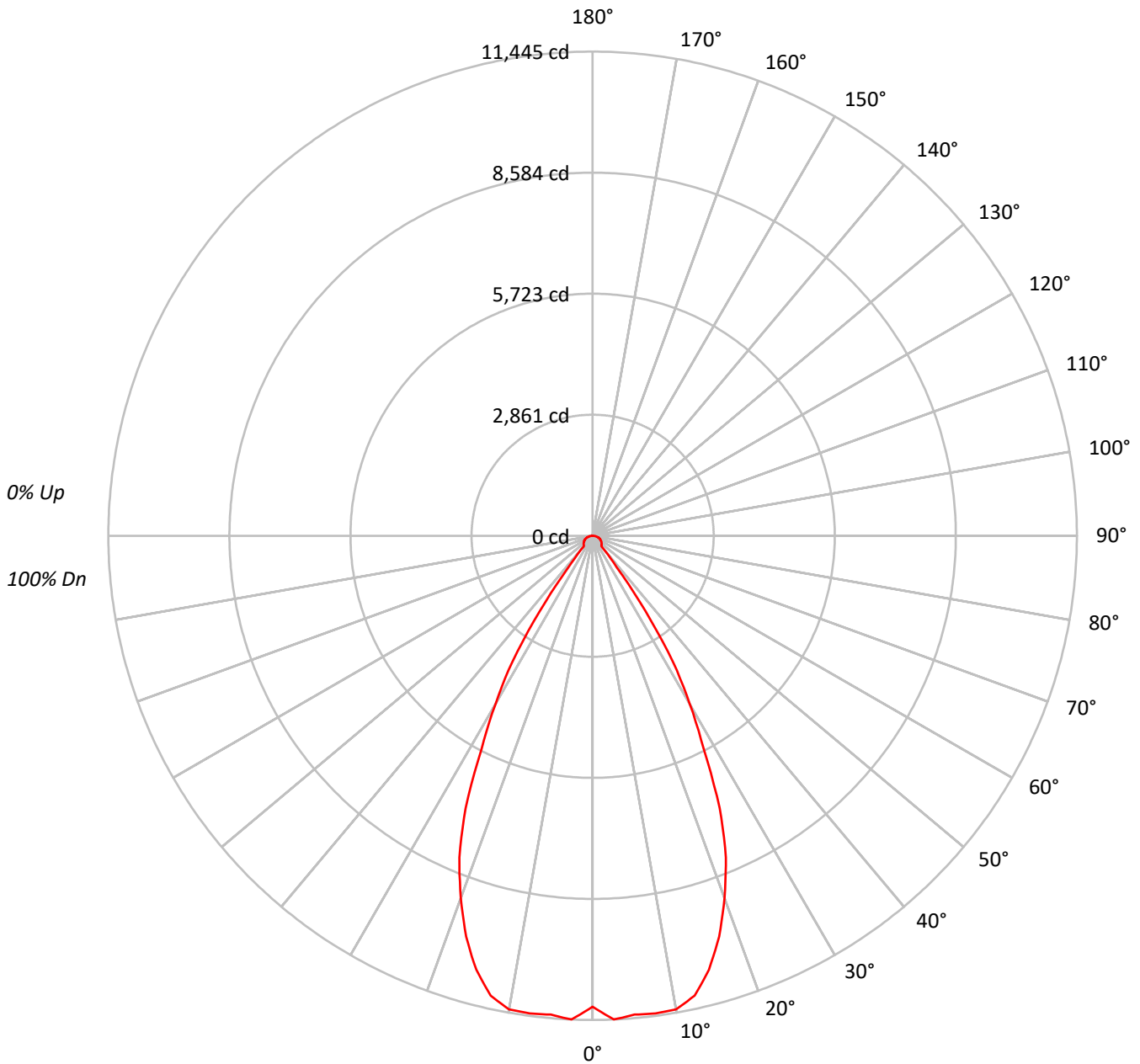
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1216247
5°	1246163
10°	1261215
15°	1201474
20°	1059327
25°	856815
30°	579570
35°	290428
40°	47111
45°	46108
50°	47033
55°	47737
60°	49058
65°	50181
70°	51369
75°	51967
80°	50148
85°	41746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 51967 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1085.9	11.6
10°-20°	2938.0	31.3
20°-30°	3161.1	33.7
30°-40°	1374.1	14.7
40°-50°	230.8	2.5
50°-60°	224.4	2.4
60°-70°	191.9	2.0
70°-80°	128.4	1.4
80°-90°	38.4	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°	7185.0	76.7
0°-40°	8559.1	91.3
0°-60°	9014.3	96.2
0°-90°	9373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9373.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11132	
5°	11362	###
15°	10622	2938
25°	7107	3161
35°	2177	1374
45°	298	231
55°	251	224
65°	194	192
75°	123	128
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11131.6
2.5°	11444.6
5°	11362.0
7.5°	11388.1
10°	11367.8
12.5°	11133.1
15°	10621.7
17.5°	9935.0
20°	9110.7
22.5°	8228.5
25°	7107.2
27.5°	5684.6
30°	4593.8
32.5°	3540.6
35°	2177.4
37.5°	931.5
40°	330.3
42.5°	304.2
45°	298.4
47.5°	288.3
50°	276.7
52.5°	263.7
55°	250.6
57.5°	237.6
60°	224.5
62.5°	210.1
65°	194.1
67.5°	178.2
70°	160.8
72.5°	142.0
75°	123.1
77.5°	101.4
80°	79.7
82.5°	56.5
85°	33.3
87.5°	11.6
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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