

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: P770021

Luminaire Tested: LD6D65D010-EU6DR6055659040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770021
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: LD6D65D010-EU6DR6055659040-6LBSQW1MW
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: 7550.6 lumens
Efficiency: N/A
Efficacy: 103.7 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

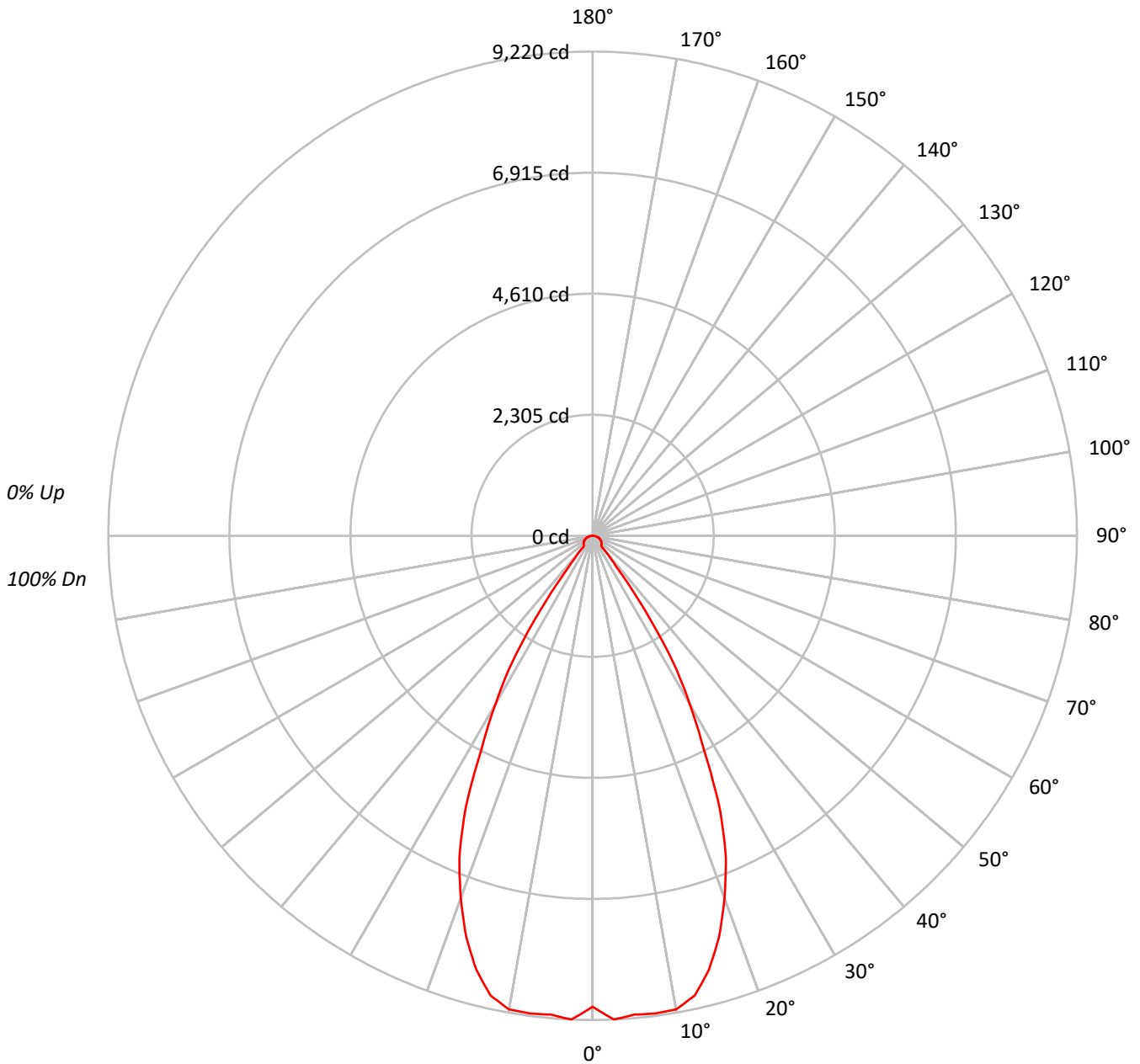
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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				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°	979785
5°	1003873
10°	1016002
15°	967880
20°	853373
25°	690231
30°	466880
35°	233953
40°	37954
45°	37146
50°	37888
55°	38460
60°	39531
65°	40435
70°	41370
75°	41877
80°	40395
85°	33597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 41877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.8	11.6
10°-20°	2366.8	31.3
20°-30°	2546.5	33.7
30°-40°	1106.9	14.7
40°-50°	185.9	2.5
50°-60°	180.8	2.4
60°-70°	154.6	2.0
70°-80°	103.5	1.4
80°-90°	30.9	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°	5788.1	76.7
0°-40°	6895.0	91.3
0°-60°	7261.7	96.2
0°-90°	7550.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7550.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8967	
5°	9153	875
15°	8557	2367
25°	5725	2546
35°	1754	1107
45°	240	186
55°	202	181
65°	156	155
75°	99	103
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8967.4
2.5°	9219.5
5°	9152.9
7.5°	9173.9
10°	9157.6
12.5°	8968.5
15°	8556.6
17.5°	8003.4
20°	7339.4
22.5°	6628.7
25°	5725.4
27.5°	4579.4
30°	3700.6
32.5°	2852.2
35°	1754.0
37.5°	750.4
40°	266.1
42.5°	245.1
45°	240.4
47.5°	232.2
50°	222.9
52.5°	212.4
55°	201.9
57.5°	191.4
60°	180.9
62.5°	169.2
65°	156.4
67.5°	143.5
70°	129.5
72.5°	114.4
75°	99.2
77.5°	81.7
80°	64.2
82.5°	45.5
85°	26.8
87.5°	9.3
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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