

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: P770177

Luminaire Tested: LD6D65D010-EU6DR7055659040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR7055659040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6955.8 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

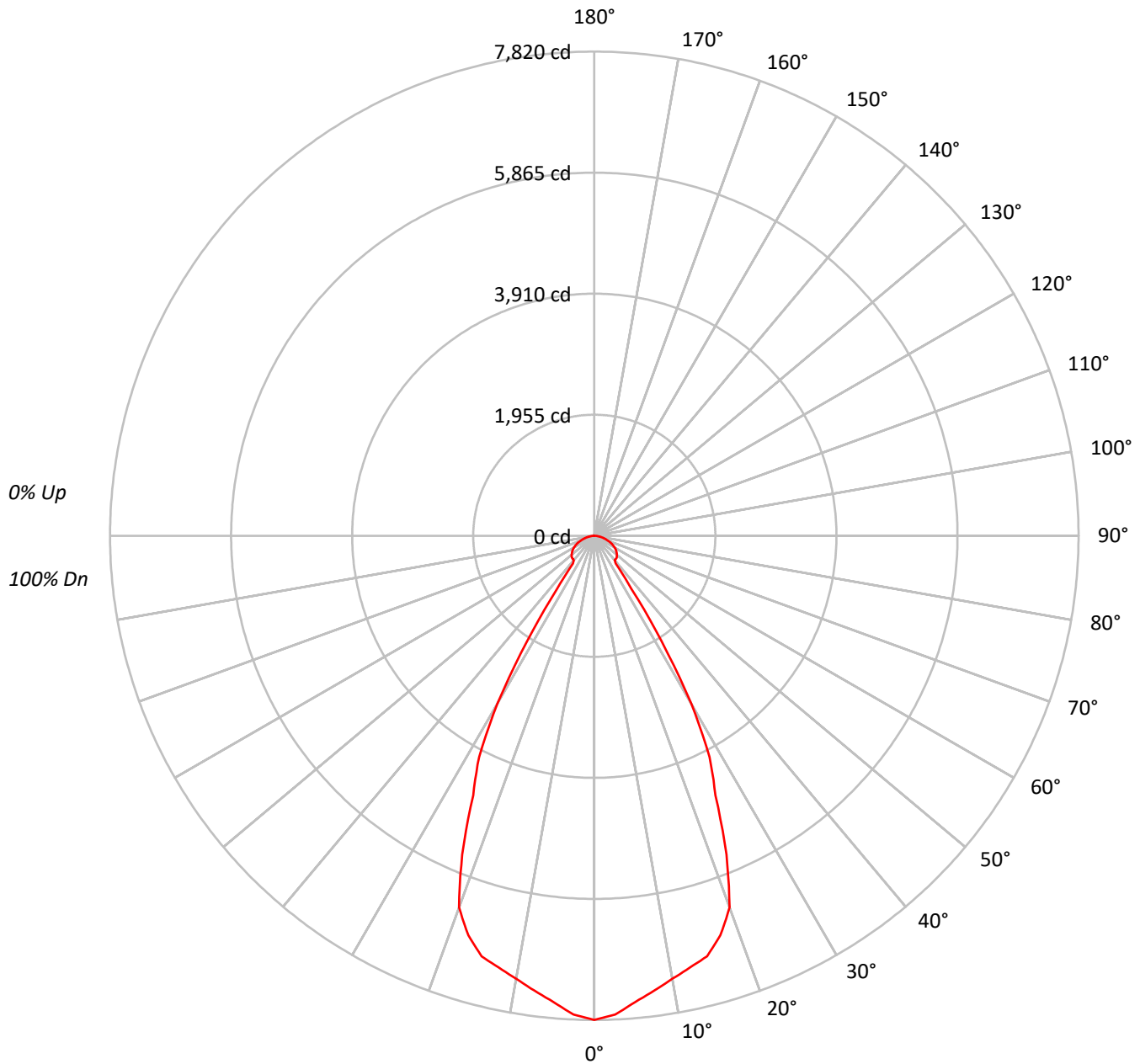
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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						
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91						
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83						
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76						
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70						
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65						
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61						
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57						
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53						
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50						
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	854452
5°	829057
10°	805947
15°	795369
20°	742716
25°	557969
30°	394437
35°	139718
40°	73469
45°	78248
50°	81029
55°	82559
60°	83060
65°	81309
70°	76734
75°	71090
80°	63110
85°	51273

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 83089 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.0	10.3
10°-20°	1955.7	28.1
20°-30°	2153.9	31.0
30°-40°	822.9	11.8
40°-50°	388.6	5.6
50°-60°	386.3	5.6
60°-70°	309.3	4.4
70°-80°	177.8	2.6
80°-90°	48.3	0.7
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°	4822.5	69.3
0°-40°	5645.5	81.2
0°-60°	6420.4	92.3
0°-90°	6955.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6955.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7820	
5°	7559	713
15°	7032	1956
25°	4628	2154
35°	1048	823
45°	506	389
55°	433	386
65°	314	309
75°	168	178
85°	41	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7820.3
2.5°	7738.5
5°	7559.0
7.5°	7409.2
10°	7264.3
12.5°	7141.7
15°	7031.5
17.5°	6765.3
20°	6387.7
22.5°	5573.0
25°	4628.3
27.5°	4029.0
30°	3126.4
32.5°	2019.4
35°	1047.5
37.5°	565.8
40°	515.1
42.5°	511.4
45°	506.4
47.5°	495.3
50°	476.7
52.5°	455.6
55°	433.4
57.5°	408.6
60°	380.1
62.5°	347.9
65°	314.5
67.5°	277.3
70°	240.2
72.5°	203.1
75°	168.4
77.5°	132.5
80°	100.3
82.5°	70.6
85°	40.9
87.5°	16.1
90°	0.0



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— 0°-180°







(END OF REPORT)