

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: P770007

Luminaire Tested: LD6D65D010-EU6DR6055659035-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770007
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-EU6DR6055659035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6403.6 lumens
Efficiency: N/A
Efficacy: 88.0 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

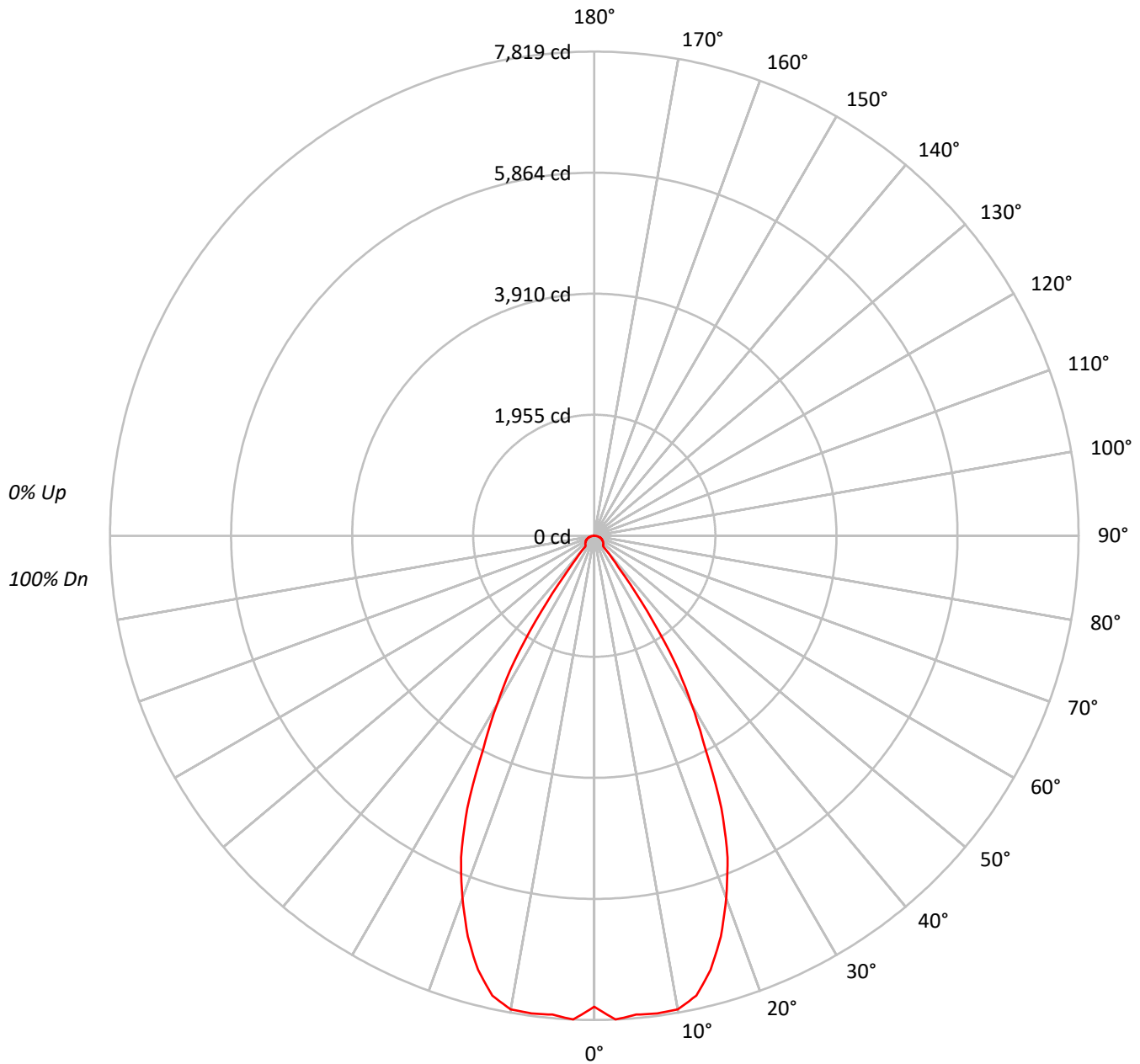
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	830939
5°	851365
10°	861653
15°	820842
20°	723729
25°	585371
30°	395951
35°	198420
40°	32192
45°	31506
50°	32126
55°	32612
60°	33521
65°	34281
70°	35108
75°	35503
80°	34229
85°	28583

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 35503 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.9	11.6
10°-20°	2007.2	31.3
20°-30°	2159.6	33.7
30°-40°	938.8	14.7
40°-50°	157.7	2.5
50°-60°	153.3	2.4
60°-70°	131.1	2.0
70°-80°	87.7	1.4
80°-90°	26.2	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°	4908.7	76.7
0°-40°	5847.5	91.3
0°-60°	6158.5	96.2
0°-90°	6403.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6403.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7605	
5°	7762	742
15°	7257	2007
25°	4856	2160
35°	1488	939
45°	204	158
55°	171	153
65°	133	131
75°	84	88
85°	23	26
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7605.1
2.5°	7818.8
5°	7762.4
7.5°	7780.2
10°	7766.4
12.5°	7606.0
15°	7256.7
17.5°	6787.5
20°	6224.4
22.5°	5621.6
25°	4855.6
27.5°	3883.7
30°	3138.4
32.5°	2418.9
35°	1487.6
37.5°	636.4
40°	225.7
42.5°	207.8
45°	203.9
47.5°	197.0
50°	189.0
52.5°	180.1
55°	171.2
57.5°	162.3
60°	153.4
62.5°	143.5
65°	132.6
67.5°	121.7
70°	109.9
72.5°	97.0
75°	84.1
77.5°	69.3
80°	54.4
82.5°	38.6
85°	22.8
87.5°	7.9
90°	0.0



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— 0°-180°







(END OF REPORT)