

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: P774130

Luminaire Tested: LD6D95BD010-EU6DR2570959035-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR2570959035-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9285.4 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

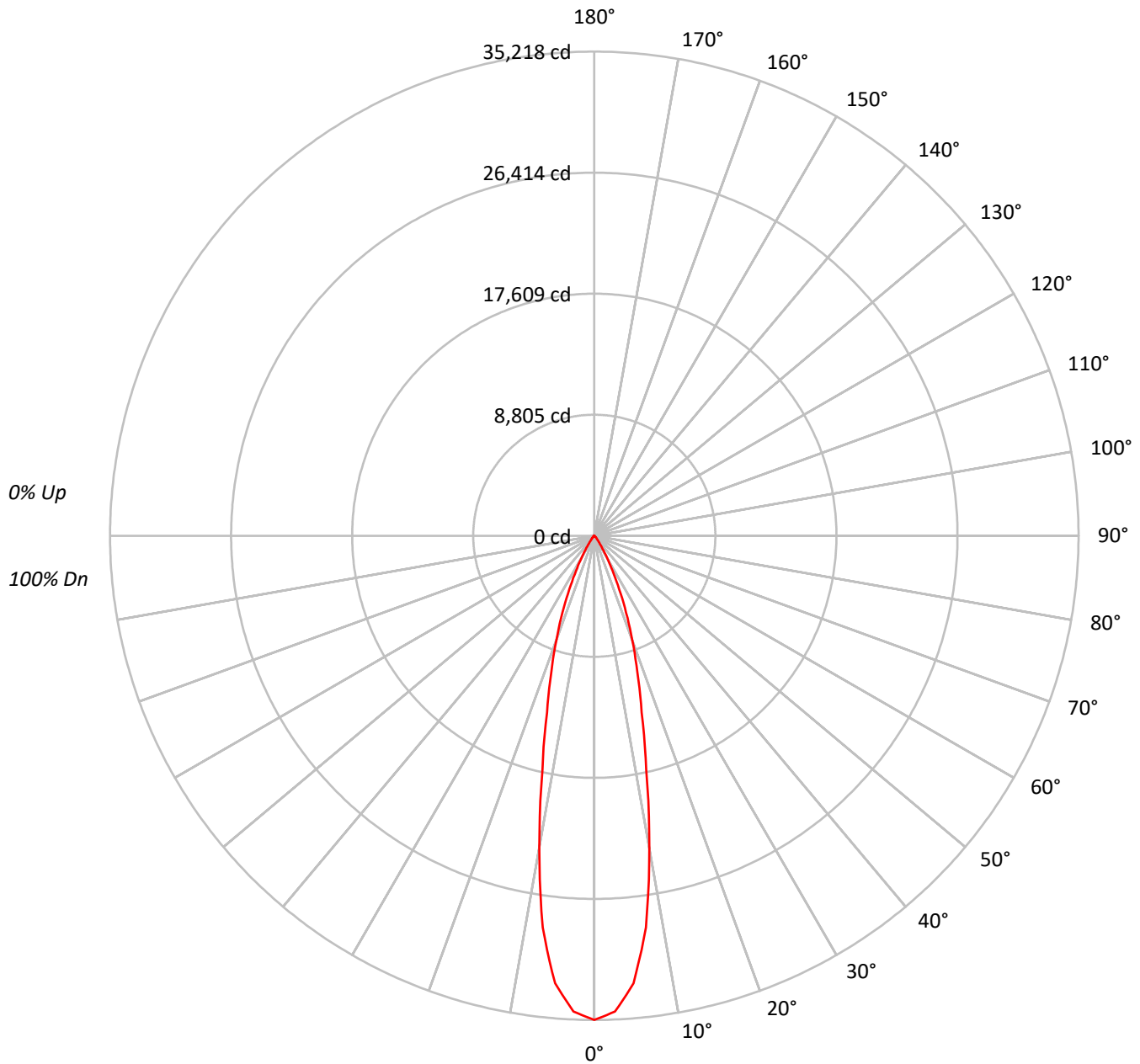
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P774130

CATALOG NUMBER: LD6D95BD010-EU6DR2570959035-6LBCSSQMB

Luminous Intensity Polar Plot



TEST NUMBER: P774130

CATALOG NUMBER: LD6D95BD010-EU6DR2570959035-6LBCSSQMB

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	93	87	82	79	92	86	82	79	85	81	78		84	80	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3847923
5°	3583853
10°	2556457
15°	1505652
20°	936845
25°	514135
30°	235131
35°	89046
40°	40321
45°	24244
50°	10063
55°	6477
60°	4523
65°	3051
70°	479
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24244 cd/sqm



TEST NUMBER: P774130

CATALOG NUMBER: LD6D95BD010-EU6DR2570959035-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2808.2	30.2
10°-20°	3803.6	41.0
20°-30°	2012.8	21.7
30°-40°	496.9	5.4
40°-50°	121.2	1.3
50°-60°	31.9	0.3
60°-70°	10.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	8624.6	92.9
0°-40°	9121.5	98.2
0°-60°	9274.5	99.9
0°-90°	9285.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9285.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	35218	
5°	32676	###
15°	13311	3804
25°	4265	2013
35°	668	497
45°	157	121
55°	34	32
65°	12	11
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P774130

CATALOG NUMBER: LD6D95BD010-EU6DR2570959035-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

0°	
0°	35217.8
2.5°	34639.0
5°	32676.1
7.5°	28732.6
10°	23042.3
12.5°	17418.7
15°	13310.8
17.5°	10373.9
20°	8057.3
22.5°	6042.6
25°	4264.7
27.5°	2859.9
30°	1863.7
32.5°	1133.9
35°	667.6
37.5°	408.6
40°	282.7
42.5°	216.1
45°	156.9
47.5°	94.7
50°	59.2
52.5°	42.9
55°	34.0
57.5°	26.6
60°	20.7
62.5°	16.3
65°	11.8
67.5°	4.4
70°	1.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)