Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P774465

Luminaire Tested: LD6D95BD010-EU6DR4570959040-6LBS1MW

Issue Date: 2/2/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P774465
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD6D95BD010-EU6DR4570959040-6LBS1MW
Description:	6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 45° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12106.7 lumens
Efficiency:	N/A
Efficacy:	122.0 lumens/watt
Spacing Criteria (0/90/45):	0.75 / 0.75 / 0.69
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

Downlight

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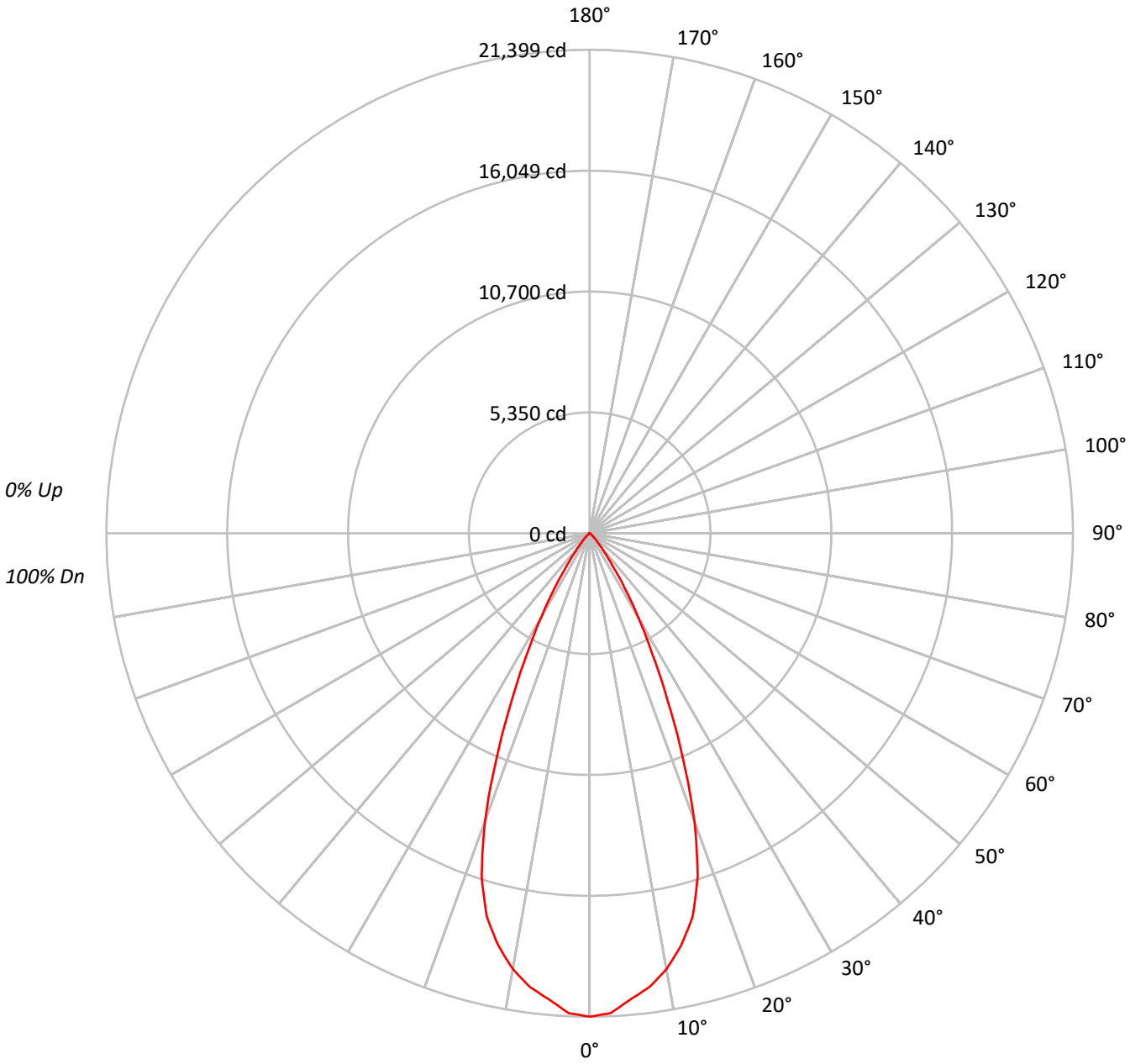
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2338071
5°	2271500
10°	2173205
15°	1988947
20°	1577927
25°	985123
30°	542970
35°	243797
40°	96018
45°	45258
50°	21451
55°	11220
60°	5507
65°	1293
70°	543
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 45258 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1946.0	16.1
10°-20°	4789.2	39.6
20°-30°	3792.6	31.3
30°-40°	1263.0	10.4
40°-50°	250.7	2.1
50°-60°	56.9	0.5
60°-70°	8.2	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°	10527.8	87.0
0°-40°	11790.7	97.4
0°-60°	12098.3	99.9
0°-90°	12106.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12106.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21399	
5°	20711	###
15°	17583	4789
25°	8172	3793
35°	1828	1263
45°	293	251
55°	59	57
65°	5	8
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	21399.0
2.5°	21259.3
5°	20710.6
7.5°	20257.8
10°	19587.9
12.5°	18695.9
15°	17583.4
17.5°	15910.4
20°	13570.9
22.5°	10783.6
25°	8171.5
27.5°	5983.4
30°	4303.7
32.5°	2926.9
35°	1827.8
37.5°	1083.9
40°	673.2
42.5°	442.7
45°	292.9
47.5°	188.5
50°	126.2
52.5°	84.2
55°	58.9
57.5°	38.7
60°	25.2
62.5°	13.5
65°	5.0
67.5°	1.7
70°	1.7
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

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0°-180°

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(END OF REPORT)