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: P774541

Luminaire Tested: LD6D95BD010-EU6DR5070959040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method:	LM-79-2019
Report Number:	P774541
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD6D95BD010-EU6DR5070959040-6LBS1H
Description:	6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12914.0 lumens
Efficiency:	N/A
Efficacy:	130.2 lumens/watt
Spacing Criteria (0/90/45):	0.8 / 0.8 / 0.73
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

TEST NUMBER: P774541
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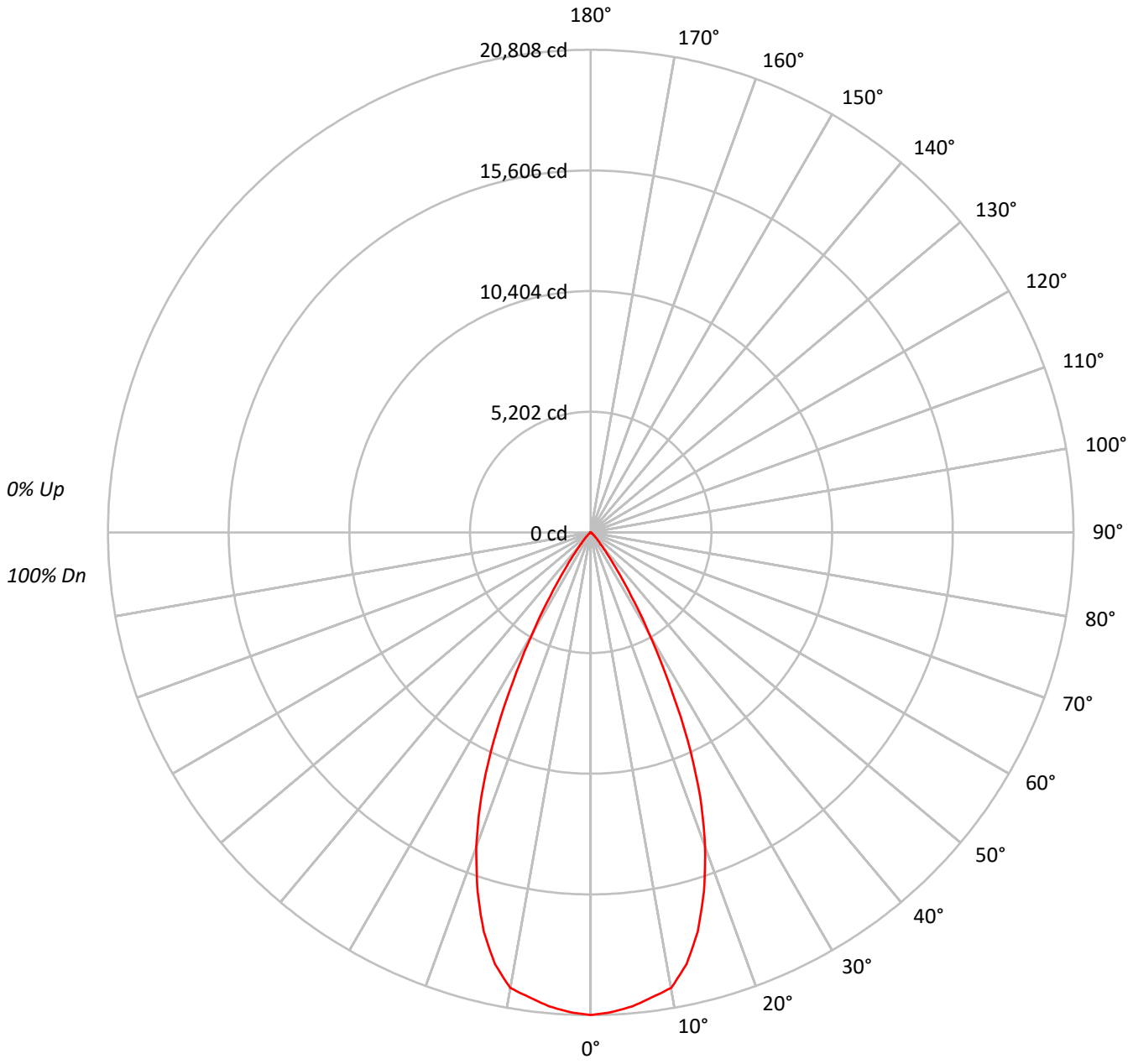
Luminous Intensity Polar Plot



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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	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2273465
5°	2249630
10°	2212579
15°	2014738
20°	1676492
25°	1190056
30°	629896
35°	256695
40°	95334
45°	43636
50°	17899
55°	9353
60°	4611
65°	1370
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 43636 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1938.7	15.0
10°-20°	4899.6	37.9
20°-30°	4401.1	34.1
30°-40°	1378.0	10.7
40°-50°	241.3	1.9
50°-60°	48.1	0.4
60°-70°	7.3	0.1
70°-80°	0.0	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°	11239.4	87.0
0°-40°	12617.4	97.7
0°-60°	12906.7	99.9
0°-90°	12914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12914.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20808	
5°	20511	###
15°	17811	4900
25°	9871	4401
35°	1924	1378
45°	282	241
55°	49	48
65°	5	7
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	20807.7
2.5°	20704.2
5°	20511.2
7.5°	20216.5
10°	19942.8
12.5°	19065.7
15°	17811.4
17.5°	16218.5
20°	14418.6
22.5°	12336.2
25°	9871.4
27.5°	7257.5
30°	4992.7
32.5°	3250.7
35°	1924.5
37.5°	1105.2
40°	668.4
42.5°	435.1
45°	282.4
47.5°	171.9
50°	105.3
52.5°	71.9
55°	49.1
57.5°	33.3
60°	21.1
62.5°	12.3
65°	5.3
67.5°	1.8
70°	0.0
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°

(END OF REPORT)