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: P787106

Luminaire Tested: LER6D02D010-EC6DR300210IC9040-6LBDP1MW

Issue Date: 2/2/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P787106
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LER6D02D010-EC6DR300210IC9040-6LBDP1MW
Description:	6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	597.9 lumens
Efficiency:	N/A
Efficacy:	117.2 lumens/watt
Spacing Criteria (0/90/45):	0.52 / 0.52 / 0.49
Luminous Opening:	Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type:	Direct

Input Watts (W):	5.1
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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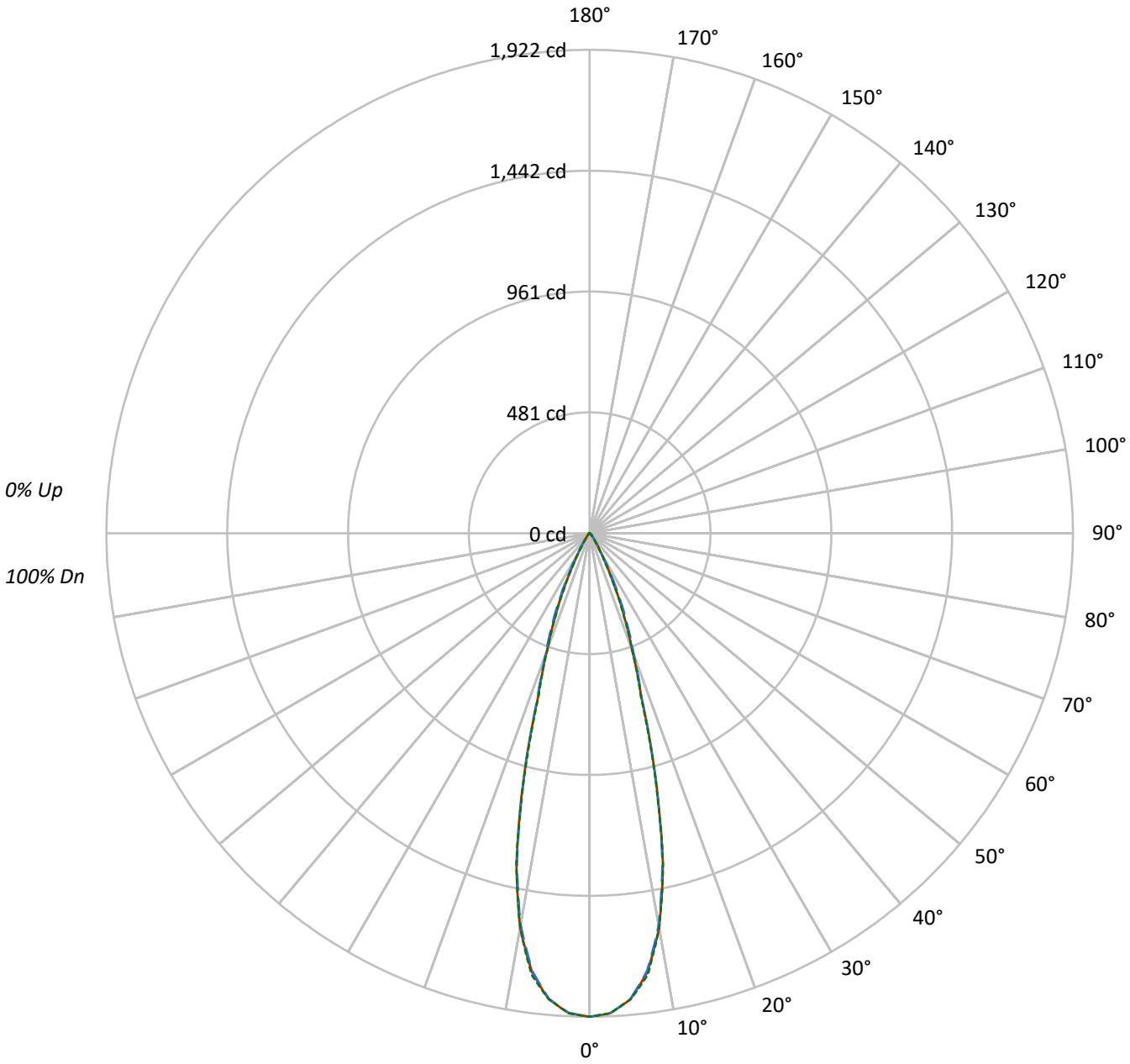
Luminous Intensity Polar Plot



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	147147	147147	147147
5°	142922	142753	142930
10°	123791	122921	123760
15°	80765	80329	79933
20°	40158	41665	40109
25°	20227	22812	19813
30°	8096	8830	7053
35°	3756	3598	3018
40°	1619	1799	1529
45°	1147	1418	1158
50°	393	1036	417
55°	227	427	240
60°	153	184	153
65°	109	109	109
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1418 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.0	28.3
10°-20°	272.2	45.5
20°-30°	117.6	19.7
30°-40°	26.8	4.5
40°-50°	9.2	1.5
50°-60°	2.2	0.4
60°-70°	0.6	0.1
70°-80°	0.1	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°	558.9	93.5
0°-40°	585.7	98.0
0°-60°	597.2	99.9
0°-90°	597.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	597.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1922	1922	1922	1922	1922	
5°	1860	1858	1858	1862	1860	169
15°	1019	1007	1014	1010	1009	273
25°	240	249	270	242	235	115
35°	40	41	38	38	32	27
45°	11	13	13	13	11	8
55°	2	2	3	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1922.4*	*1922.4*	*1922.4*	*1922.4*	*1922.4*
2.5°	*1909.6*	1908.3	1909.0	1910.0	1910.4
5°	*1860.1*	1858.3	1857.9	1861.8	1860.2
7.5°	*1760.1*	1757.6	1753.7	1762.5	1770.7
10°	*1592.7*	1589.9	1581.5	1585.6	1592.3
12.5°	*1345.5*	1336.3	1336.2	1349.4	1347.6
15°	*1019.2*	1007.0	1013.7	1010.4	1008.7
17.5°	*685.4*	680.7	689.7	687.0	675.2
20°	*493.0*	494.3	511.5	502.9	492.4
22.5°	*359.8*	364.2	384.7	362.3	354.1
25°	*239.5*	248.6	270.1	242.3	234.6
27.5°	*147.3*	151.5	173.3	145.4	141.3
30°	*91.6*	89.6	99.9	85.7	79.8
32.5°	*60.1*	57.5	60.8	54.6	49.8
35°	*40.2*	41.1	38.5	38.2	32.3
37.5°	*25.1*	28.9	25.5	27.2	20.8
40°	*16.2*	21.0	18.0	19.9	15.3
42.5°	*13.3*	16.1	14.8	15.8	13.6
45°	*10.6*	13.1	13.1	13.1	10.7
47.5°	*5.9*	8.8	11.2	9.0	6.2
50°	*3.3*	4.4	8.7	4.6	3.5
52.5°	*2.3*	2.5	5.9	2.6	2.4
55°	*1.7*	1.8	3.2	1.9	1.8
57.5°	*1.3*	1.4	1.7	1.4	1.3
60°	*1.0*	1.0	1.2	1.1	1.0
62.5°	*0.8*	0.8	0.8	0.8	0.8
65°	*0.6*	0.6	0.6	0.6	0.6
67.5°	*0.3*	0.4	0.4	0.4	0.4
70°	*0.3*	0.2	0.2	0.2	0.3
72.5°	*0.2*	0.1	0.1	0.1	0.1
75°	*0.0*	0.0	0.1	0.0	0.0
77.5°	*0.0*	0.0	0.0	0.0	0.0
80°	*0.0*	0.0	0.0	0.0	0.0
82.5°	*0.0*	0.0	0.0	0.0	0.0
85°	*0.0*	0.0	0.0	0.0	0.0
87.5°	*0.0*	0.0	0.0	0.0	0.0
90°	*0.0*	0.0	0.0	0.0	0.0

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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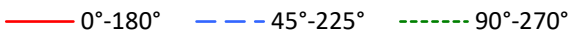

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(END OF REPORT)