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: P785926

Luminaire Tested: LERS6D05D010-EC6DR650210IC9040-6LBS1LI

Issue Date: 2/2/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P785926
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LERS6D05D010-EC6DR650210IC9040-6LBS1LI
Description:	6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1211.8 lumens
Efficiency:	N/A
Efficacy:	161.6 lumens/watt
Spacing Criteria (0/90/45):	0.95 / 0.95 / 0.96
Luminous Opening:	Circular (Dia: 0.48' x H: 0')
CIE Type:	Direct

Input Watts (W):	7.5
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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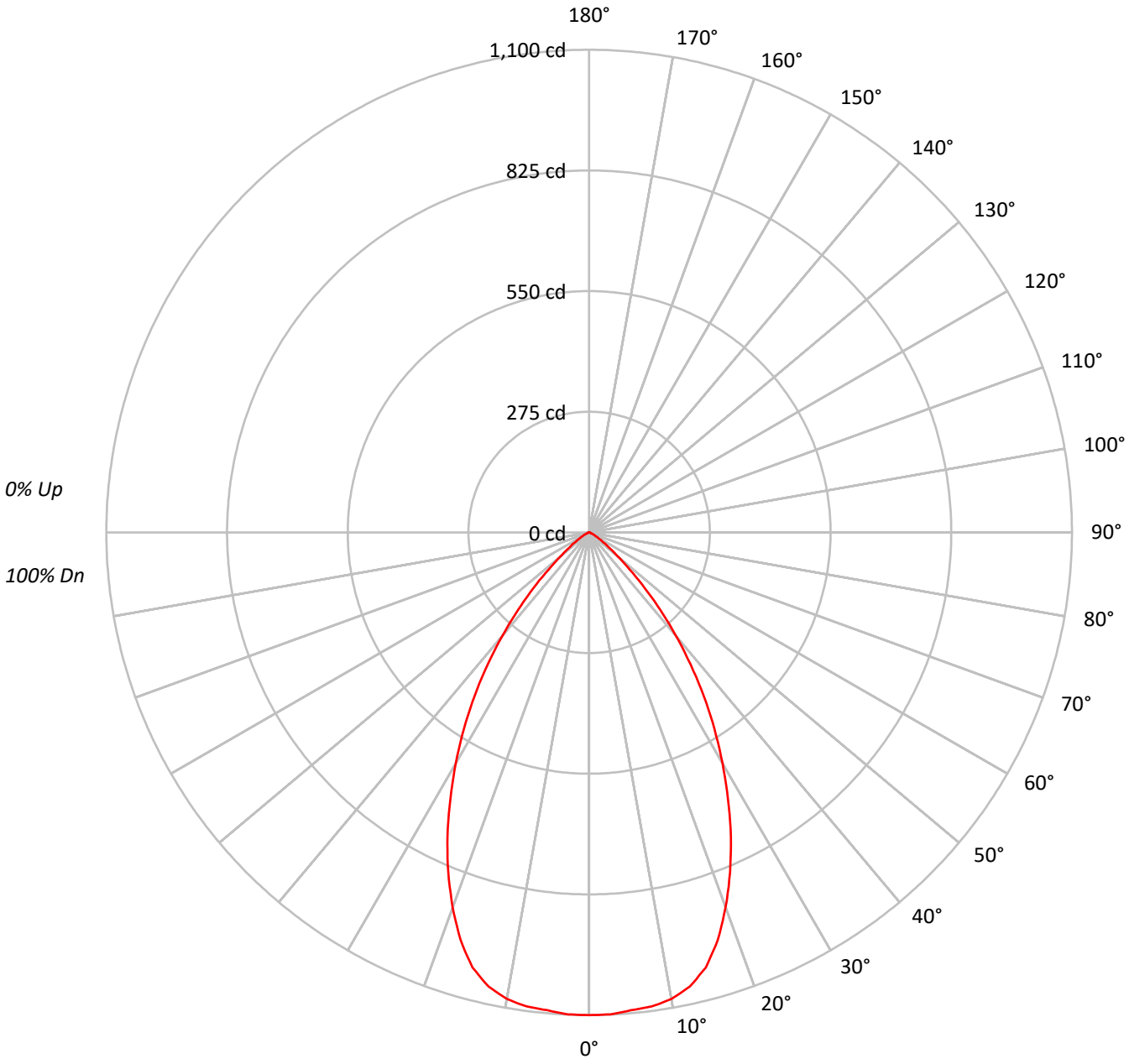
Luminous Intensity Polar Plot



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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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64262
5°	64097
10°	64043
15°	62072
20°	56509
25°	49240
30°	40956
35°	32455
40°	23421
45°	14801
50°	7714
55°	4104
60°	2149
65°	1188
70°	495
75°	542
80°	370
85°	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 14801 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	8.6
10°-20°	284.9	23.5
20°-30°	348.3	28.7
30°-40°	282.6	23.3
40°-50°	140.8	11.6
50°-60°	39.3	3.2
60°-70°	8.9	0.7
70°-80°	2.3	0.2
80°-90°	0.6	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°	737.3	60.8
0°-40°	1019.9	84.2
0°-60°	1200.0	99.0
0°-90°	1211.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1211.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1100	
5°	1093	104
15°	1027	285
25°	764	348
35°	455	283
45°	179	141
55°	40	39
65°	9	9
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1100.3
2.5°	1099.5
5°	1093.3
7.5°	1089.8
10°	1079.9
12.5°	1059.9
15°	1026.6
17.5°	974.5
20°	909.2
22.5°	838.7
25°	764.1
27.5°	684.4
30°	607.3
32.5°	531.1
35°	455.2
37.5°	379.3
40°	307.2
42.5°	239.6
45°	179.2
47.5°	124.8
50°	84.9
52.5°	58.5
55°	40.3
57.5°	27.2
60°	18.4
62.5°	12.8
65°	8.6
67.5°	4.4
70°	2.9
72.5°	2.7
75°	2.4
77.5°	1.6
80°	1.1
82.5°	0.8
85°	0.5
87.5°	0.3
90°	0.0

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0°-180°

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(END OF REPORT)