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: P761742

Luminaire Tested: LD6D15D010-EU6DR650215IC9035-6LBS1H

Issue Date: 2/2/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P761742
	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:	LD6D15D010-EU6DR650215IC9035-6LBS1H
Description:	6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1359.9 lumens
Efficiency:	N/A
Efficacy:	86.1 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):	15.8
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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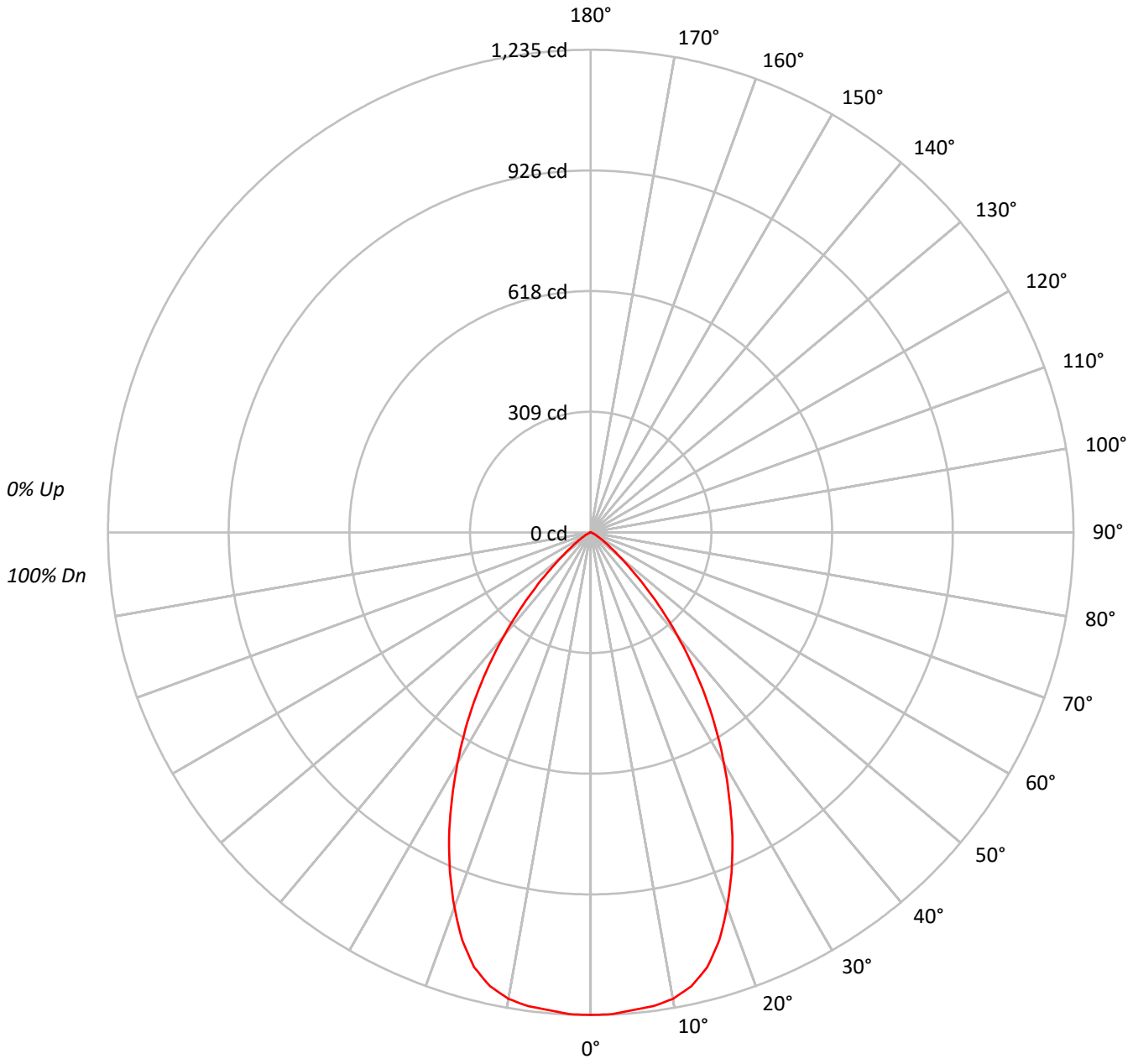
Luminous Intensity Polar Plot



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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°	72111
5°	71929
10°	71866
15°	69655
20°	63414
25°	55259
30°	45960
35°	36419
40°	26280
45°	16602
50°	8659
55°	4602
60°	2418
65°	1327
70°	564
75°	632
80°	437
85°	402

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 16602 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	8.6
10°-20°	319.8	23.5
20°-30°	390.8	28.7
30°-40°	317.1	23.3
40°-50°	158.0	11.6
50°-60°	44.1	3.2
60°-70°	10.0	0.7
70°-80°	2.6	0.2
80°-90°	0.7	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°	827.4	60.8
0°-40°	1144.5	84.2
0°-60°	1346.6	99.0
0°-90°	1359.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1359.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1235	
5°	1227	117
15°	1152	320
25°	858	391
35°	511	317
45°	201	158
55°	45	44
65°	10	10
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	*1234.7*
2.5°	*1233.8*
5°	*1226.9*
7.5°	*1222.9*
10°	*1211.8*
12.5°	*1189.4*
15°	*1152.0*
17.5°	*1093.6*
20°	*1020.3*
22.5°	*941.1*
25°	*857.5*
27.5°	*768.0*
30°	*681.5*
32.5°	*596.0*
35°	*510.8*
37.5°	*425.6*
40°	*344.7*
42.5°	*268.9*
45°	*201.0*
47.5°	*140.1*
50°	*95.3*
52.5°	*65.7*
55°	*45.2*
57.5°	*30.5*
60°	*20.7*
62.5°	*14.3*
65°	*9.6*
67.5°	*4.9*
70°	*3.3*
72.5°	*3.1*
75°	*2.8*
77.5°	*1.8*
80°	*1.3*
82.5°	*0.9*
85°	*0.6*
87.5°	*0.3*
90°	*0.0*

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0°-180°

(END OF REPORT)