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: P762043

Luminaire Tested: LD6D20D010-EU6DR2015309035-6LBDP1B

Issue Date: 2/2/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P762043
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/2/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD6D20D010-EU6DR2015309035-6LBDP1B
Description:	6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1839.0 lumens
Efficiency:	N/A
Efficacy:	79.6 lumens/watt
Spacing Criteria (0/90/45):	0.34 / 0.34 / 0.36
Luminous Opening:	Circular (Dia: 0.35' x H: 0')
CIE Type:	Direct

Input Watts (W):	23.1
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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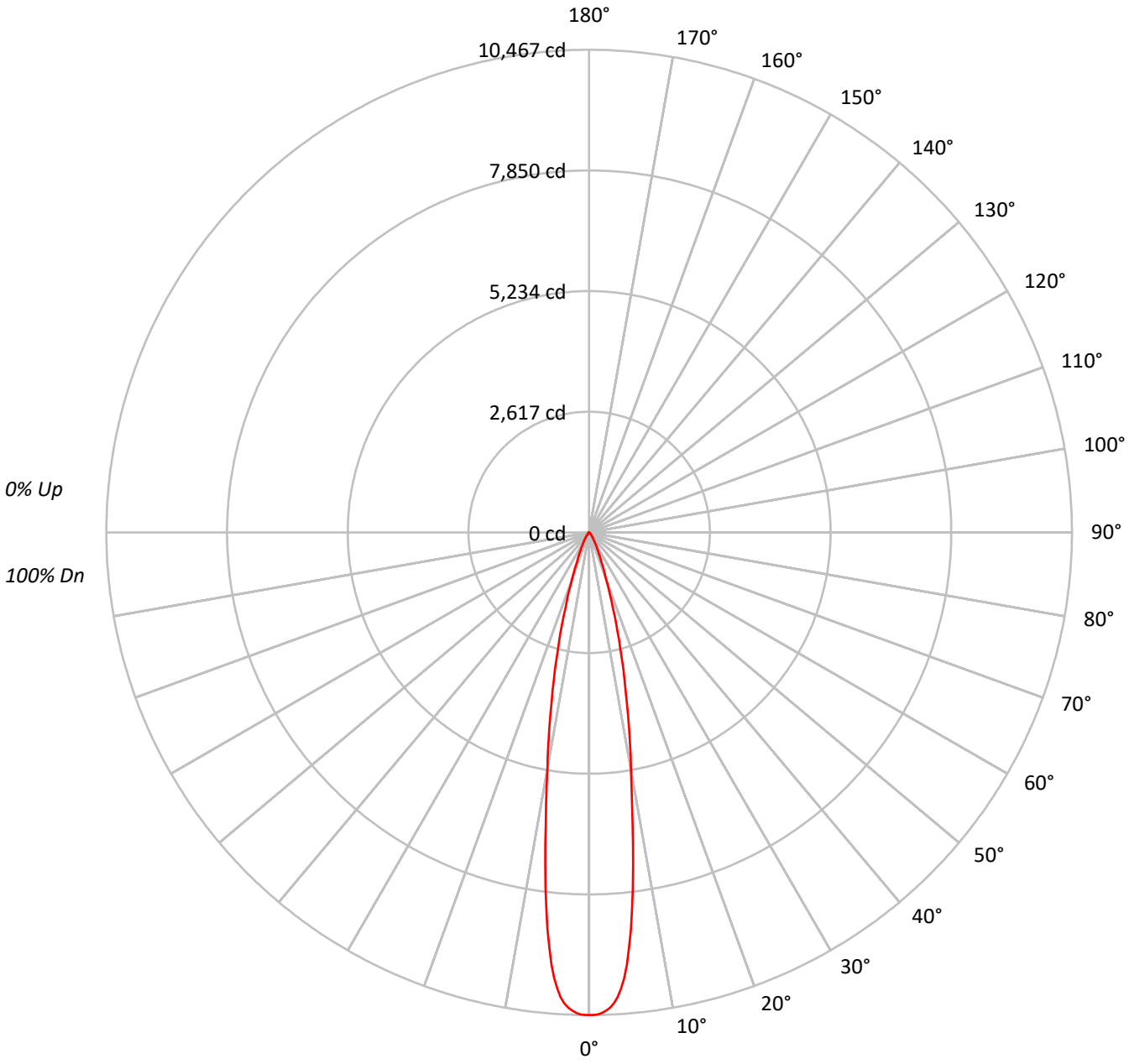
Luminous Intensity Polar Plot



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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	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1143632
5°	1031775
10°	579084
15°	294359
20°	124633
25°	57529
30°	30456
35°	16406
40°	8772
45°	5192
50°	3009
55°	1600
60°	1027
65°	724
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.2	40.5
10°-20°	733.8	39.9
20°-30°	239.7	13.0
30°-40°	81.6	4.4
40°-50°	27.4	1.5
50°-60°	8.3	0.4
60°-70°	2.8	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°	1718.8	93.5
0°-40°	1800.4	97.9
0°-60°	1836.1	99.8
0°-90°	1839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1839.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10467	
5°	9407	745
15°	2602	734
25°	477	240
35°	123	82
45°	34	27
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10467.0
0.5°	10467.0
1°	10454.0
1.5°	10427.9
2°	10380.4
2.5°	10317.0
3°	10227.5
3.5°	10102.6
4°	9917.1
4.5°	9691.6
5°	9407.3
5.5°	9033.5
6°	8650.4
6.5°	8211.4
7°	7781.8
7.5°	7278.5
8°	6829.2
8.5°	6377.2
9°	5959.6
9.5°	5576.5
10°	5219.5
12.5°	3747.8
15°	2602.3
17.5°	1700.1
20°	1071.9
22.5°	694.4
25°	477.2
27.5°	335.5
30°	241.4
32.5°	173.4
35°	123.0
37.5°	85.7
40°	61.5
42.5°	44.7
45°	33.6
47.5°	26.1
50°	17.7
52.5°	11.2
55°	8.4
57.5°	6.5
60°	4.7
62.5°	3.7
65°	2.8

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CANDELA DISTRIBUTION (continued):

	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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Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report

0°-180°

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Scaled Data Report

67.5°	*1.9*
70°	*0.9*

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(END OF REPORT)