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: P751301

Luminaire Tested: LD4D60D010-EU4DR7055659030-4LBDP1MW

Issue Date: 2/5/2024

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P751301
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	2/5/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LD4D60D010-EU4DR7055659030-4LBDP1MW
Description:	4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source:	(1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4743.9 lumens
Efficiency:	N/A
Efficacy:	73.7 lumens/watt
Spacing Criteria (0/90/45):	0.88 / 0.88 / 0.82
Luminous Opening:	Circular (Dia: 0.35' x H: 0')
CIE Type:	Direct

Input Watts (W):	64.4
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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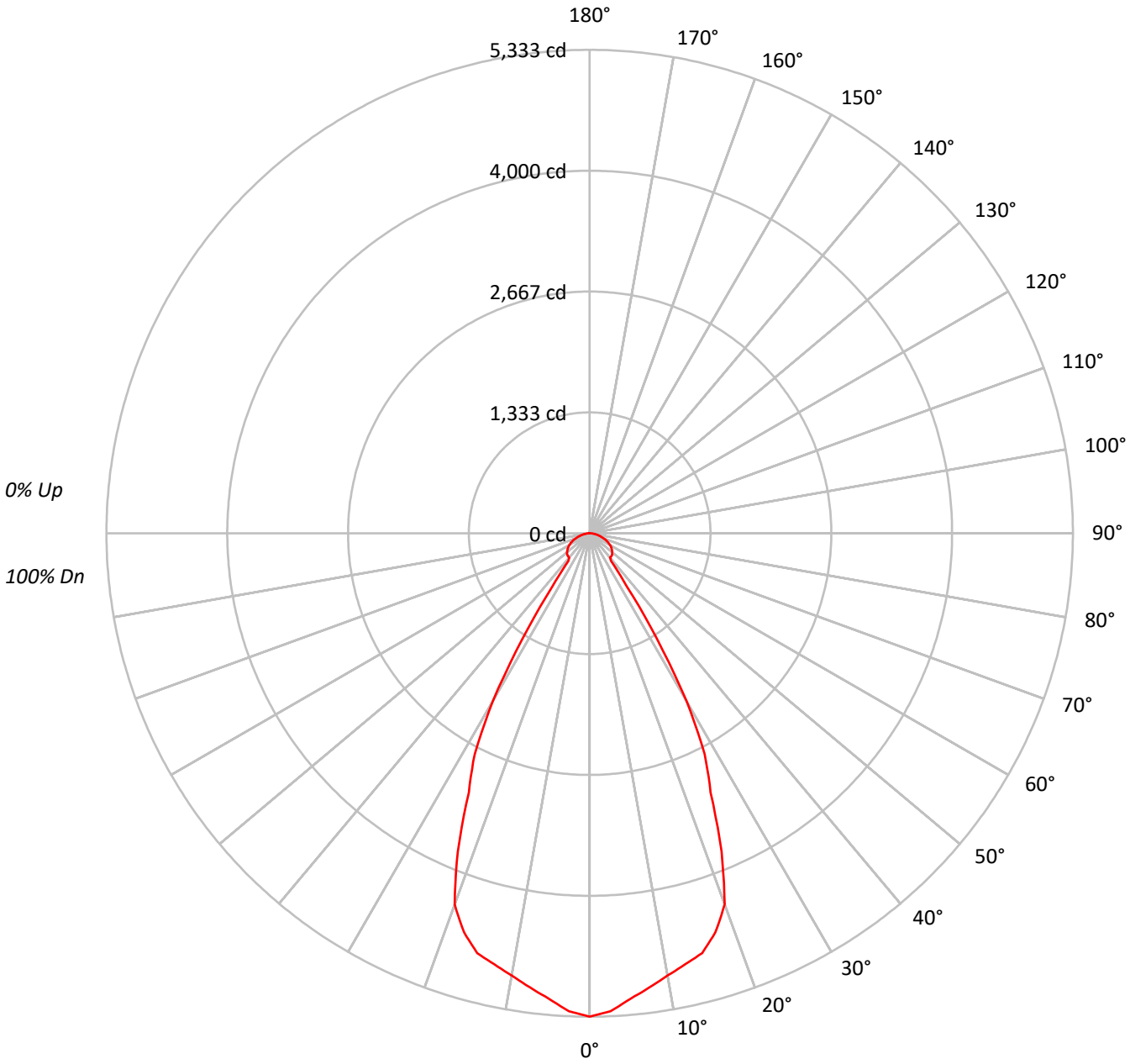
Luminous Intensity Polar Plot



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	582731
5°	565424
10°	549661
15°	542443
20°	506531
25°	380535
30°	269006
35°	95289
40°	50106
45°	53371
50°	55260
55°	56309
60°	56641
65°	55455
70°	52327
75°	48463
80°	43038
85°	34976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 57.5°
Luminance: 56674 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.3	10.3
10°-20°	1333.8	28.1
20°-30°	1469.0	31.0
30°-40°	561.3	11.8
40°-50°	265.0	5.6
50°-60°	263.5	5.6
60°-70°	210.9	4.4
70°-80°	121.2	2.6
80°-90°	33.0	0.7
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°	3289.0	69.3
0°-40°	3850.2	81.2
0°-60°	4378.8	92.3
0°-90°	4743.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4743.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5333	
5°	5155	486
15°	4796	1334
25°	3156	1469
35°	714	561
45°	345	265
55°	296	263
65°	214	211
75°	115	121
85°	28	33
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	5333.4
2.5°	5277.7
5°	5155.3
7.5°	5053.1
10°	4954.3
12.5°	4870.7
15°	4795.5
17.5°	4614.0
20°	4356.4
22.5°	3800.8
25°	3156.5
27.5°	2747.8
30°	2132.2
32.5°	1377.3
35°	714.4
37.5°	385.9
40°	351.3
42.5°	348.8
45°	345.4
47.5°	337.8
50°	325.1
52.5°	310.8
55°	295.6
57.5°	278.7
60°	259.2
62.5°	237.3
65°	214.5
67.5°	189.2
70°	163.8
72.5°	138.5
75°	114.8
77.5°	90.4
80°	68.4
82.5°	48.1
85°	27.9
87.5°	11.0
90°	0.0

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0°-180°

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(END OF REPORT)