

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: P768507

Luminaire Tested: LD6D55D010-EU6DR6555659030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR6555659030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4922.5 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): 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

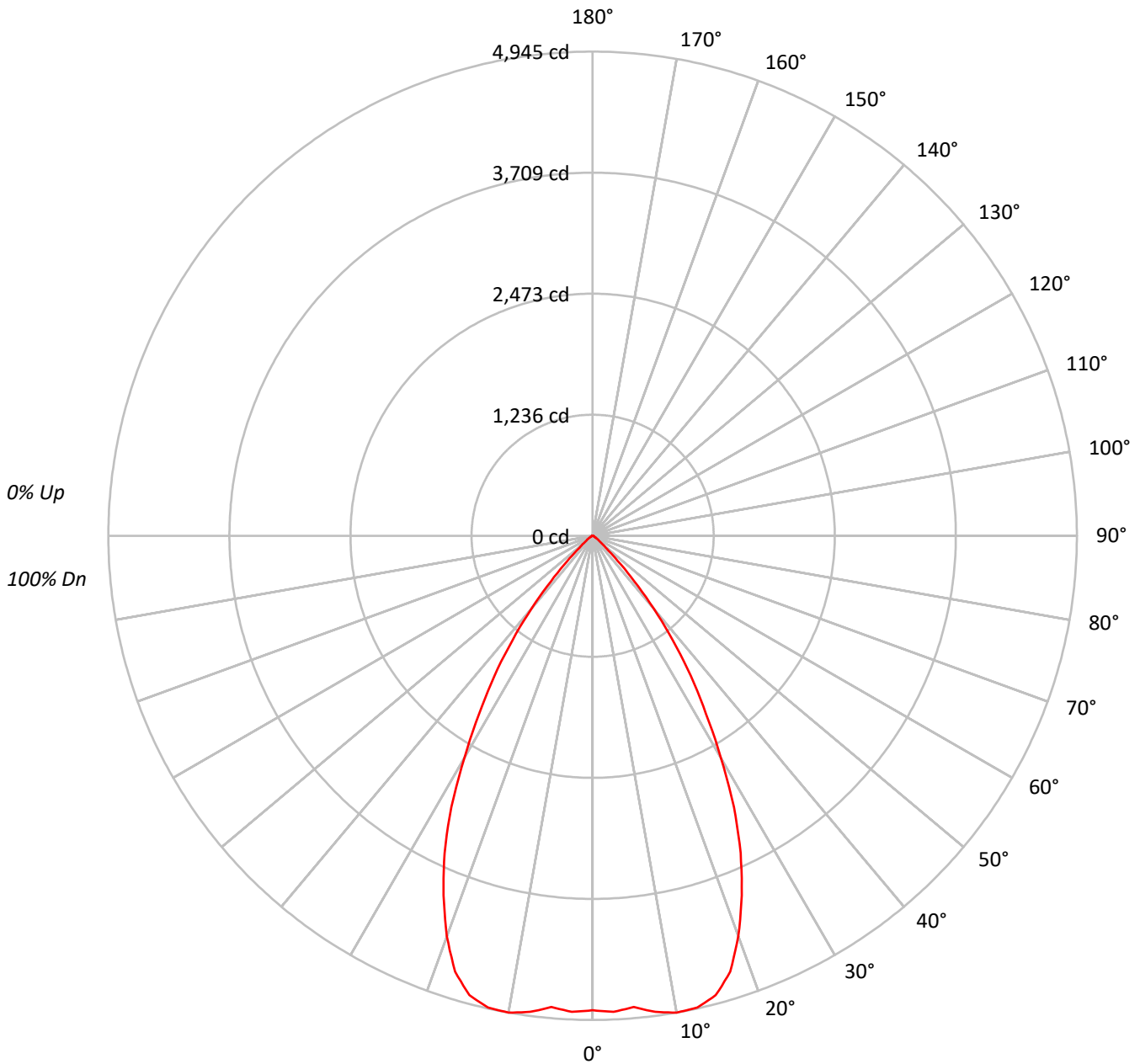


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	529543
5°	529976
10°	548640
15°	549547
20°	505950
25°	431096
30°	330018
35°	233153
40°	137623
45°	55874
50°	20245
55°	11277
60°	6468
65°	3568
70°	3738
75°	2913
80°	3020
85°	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 55874 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.7	9.5
10°-20°	1346.2	27.3
20°-30°	1615.2	32.8
30°-40°	1085.4	22.1
40°-50°	324.9	6.6
50°-60°	57.3	1.2
60°-70°	16.3	0.3
70°-80°	8.0	0.2
80°-90°	2.5	0.1
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°	3428.0	69.6
0°-40°	4513.4	91.7
0°-60°	4895.7	99.5
0°-90°	4922.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4922.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4847	
5°	4832	467
15°	4858	1346
25°	3576	1615
35°	1748	1085
45°	362	325
55°	59	57
65°	14	16
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4846.6
2.5°	4867.2
5°	4832.1
7.5°	4905.1
10°	4945.1
12.5°	4935.4
15°	4858.3
17.5°	4669.6
20°	4351.4
22.5°	3976.7
25°	3575.9
27.5°	3123.4
30°	2615.8
32.5°	2155.7
35°	1748.0
37.5°	1345.1
40°	964.9
42.5°	630.2
45°	361.6
47.5°	191.5
50°	119.1
52.5°	82.6
55°	59.2
57.5°	42.7
60°	29.6
62.5°	19.3
65°	13.8
67.5°	12.4
70°	11.7
72.5°	9.0
75°	6.9
77.5°	6.2
80°	4.8
82.5°	3.4
85°	2.1
87.5°	1.4
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)