

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: P774771

Luminaire Tested: LD6D95BD010-EU6DR6570959040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774771
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: LD6D95BD010-EU6DR6570959040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 10362.8 lumens
Efficiency: N/A
Efficacy: 104.5 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): 99.2
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

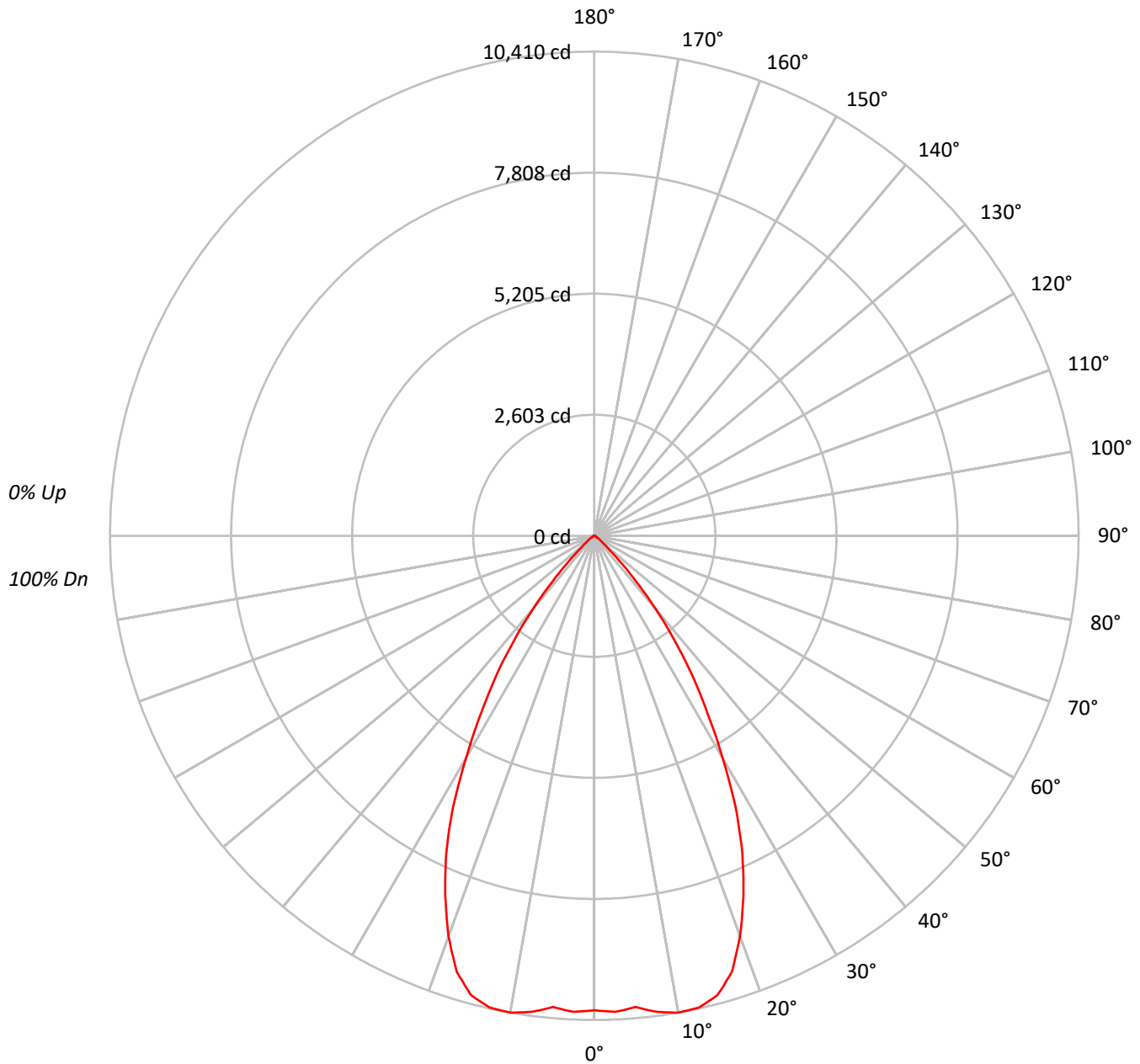


Downlight

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1114787
5°	1115712
10°	1154995
15°	1156907
20°	1065118
25°	907533
30°	694757
35°	490835
40°	289724
45°	117619
50°	42631
55°	23754
60°	13614
65°	7497
70°	7859
75°	6121
80°	6355
85°	5391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 117619 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	982.5	9.5
10°-20°	2834.0	27.3
20°-30°	3400.2	32.8
30°-40°	2285.0	22.1
40°-50°	684.0	6.6
50°-60°	120.7	1.2
60°-70°	34.3	0.3
70°-80°	16.8	0.2
80°-90°	5.3	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°	7216.6	69.6
0°-40°	9501.7	91.7
0°-60°	10306.5	99.5
0°-90°	10362.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10362.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10203	
5°	10173	982
15°	10228	2834
25°	7528	3400
35°	3680	2285
45°	761	684
55°	125	121
65°	29	34
75°	14	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10203.0
2.5°	10246.5
5°	10172.6
7.5°	10326.3
10°	10410.4
12.5°	10390.1
15°	10227.7
17.5°	9830.4
20°	9160.5
22.5°	8371.8
25°	7527.9
27.5°	6575.3
30°	5506.8
32.5°	4538.2
35°	3679.9
37.5°	2831.7
40°	2031.3
42.5°	1326.7
45°	761.2
47.5°	403.1
50°	250.8
52.5°	174.0
55°	124.7
57.5°	89.9
60°	62.3
62.5°	40.6
65°	29.0
67.5°	26.1
70°	24.6
72.5°	18.8
75°	14.5
77.5°	13.0
80°	10.1
82.5°	7.2
85°	4.3
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)