

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: P774720

Luminaire Tested: LD6D95BD010-EU6DR6570959024-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774720
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-EU6DR6570959024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8814.6 lumens
Efficiency: N/A
Efficacy: 88.9 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 (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

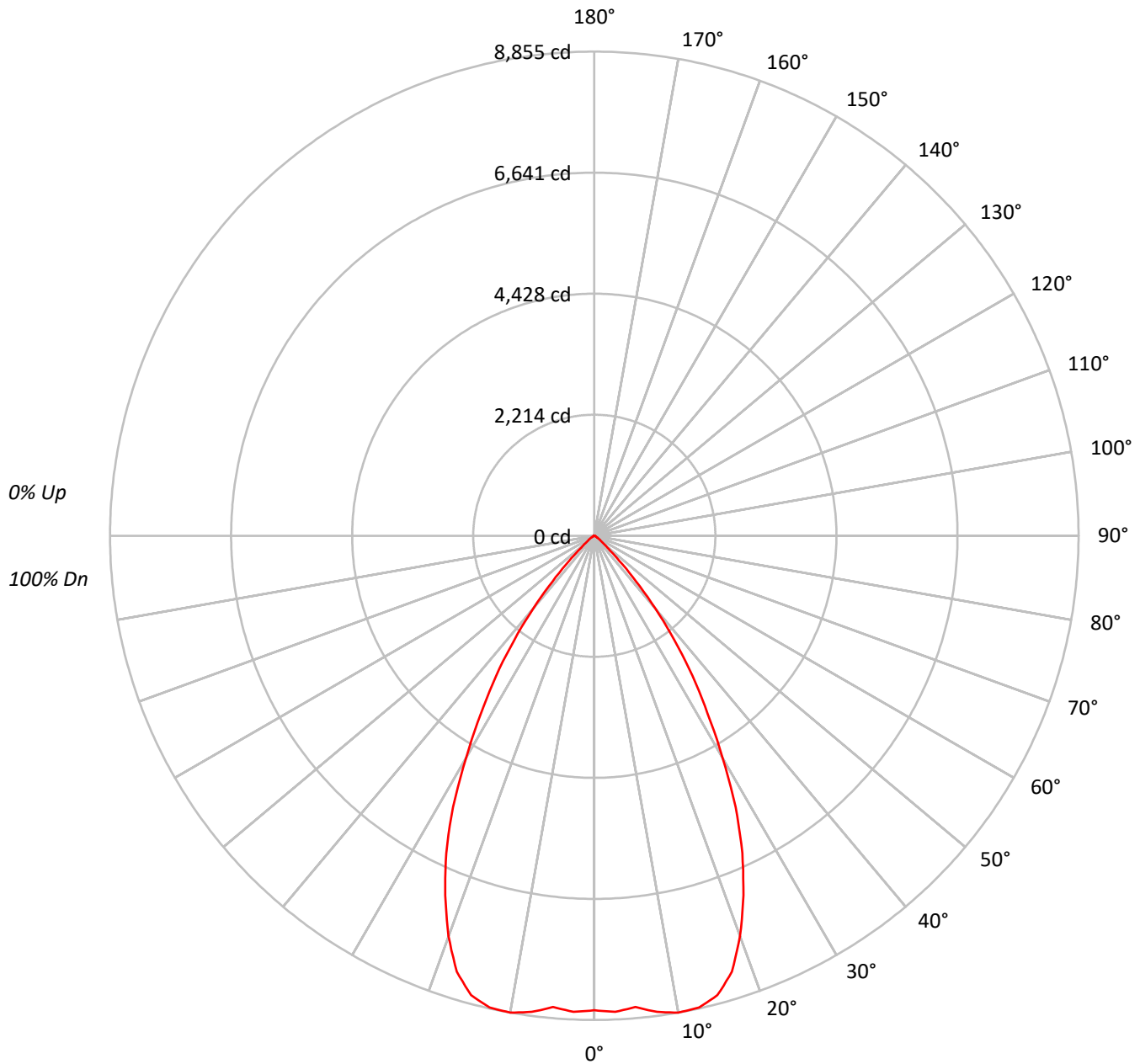


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	948230
5°	949012
10°	982418
15°	984044
20°	905975
25°	771944
30°	590950
35°	417501
40°	246436
45°	100050
50°	36274
55°	20211
60°	11582
65°	6386
70°	6709
75°	5192
80°	5411
85°	4638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100050 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	835.7	9.5
10°-20°	2410.5	27.3
20°-30°	2892.2	32.8
30°-40°	1943.6	22.1
40°-50°	581.8	6.6
50°-60°	102.7	1.2
60°-70°	29.2	0.3
70°-80°	14.3	0.2
80°-90°	4.5	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°	6138.4	69.6
0°-40°	8082.0	91.7
0°-60°	8766.6	99.5
0°-90°	8814.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8814.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8679	
5°	8653	836
15°	8700	2411
25°	6403	2892
35°	3130	1944
45°	648	582
55°	106	103
65°	25	29
75°	12	14
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8678.6
2.5°	8715.6
5°	8652.7
7.5°	8783.4
10°	8854.9
12.5°	8837.7
15°	8699.5
17.5°	8361.6
20°	7791.8
22.5°	7120.9
25°	6403.2
27.5°	5592.9
30°	4684.0
32.5°	3860.2
35°	3130.1
37.5°	2408.6
40°	1727.8
42.5°	1128.4
45°	647.5
47.5°	342.9
50°	213.4
52.5°	148.0
55°	106.1
57.5°	76.5
60°	53.0
62.5°	34.5
65°	24.7
67.5°	22.2
70°	21.0
72.5°	16.0
75°	12.3
77.5°	11.1
80°	8.6
82.5°	6.2
85°	3.7
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)