

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: P774719

Luminaire Tested: LD6D95BD010-EU6DR6570959024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774719
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-EU6DR6570959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 8394.8 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): 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

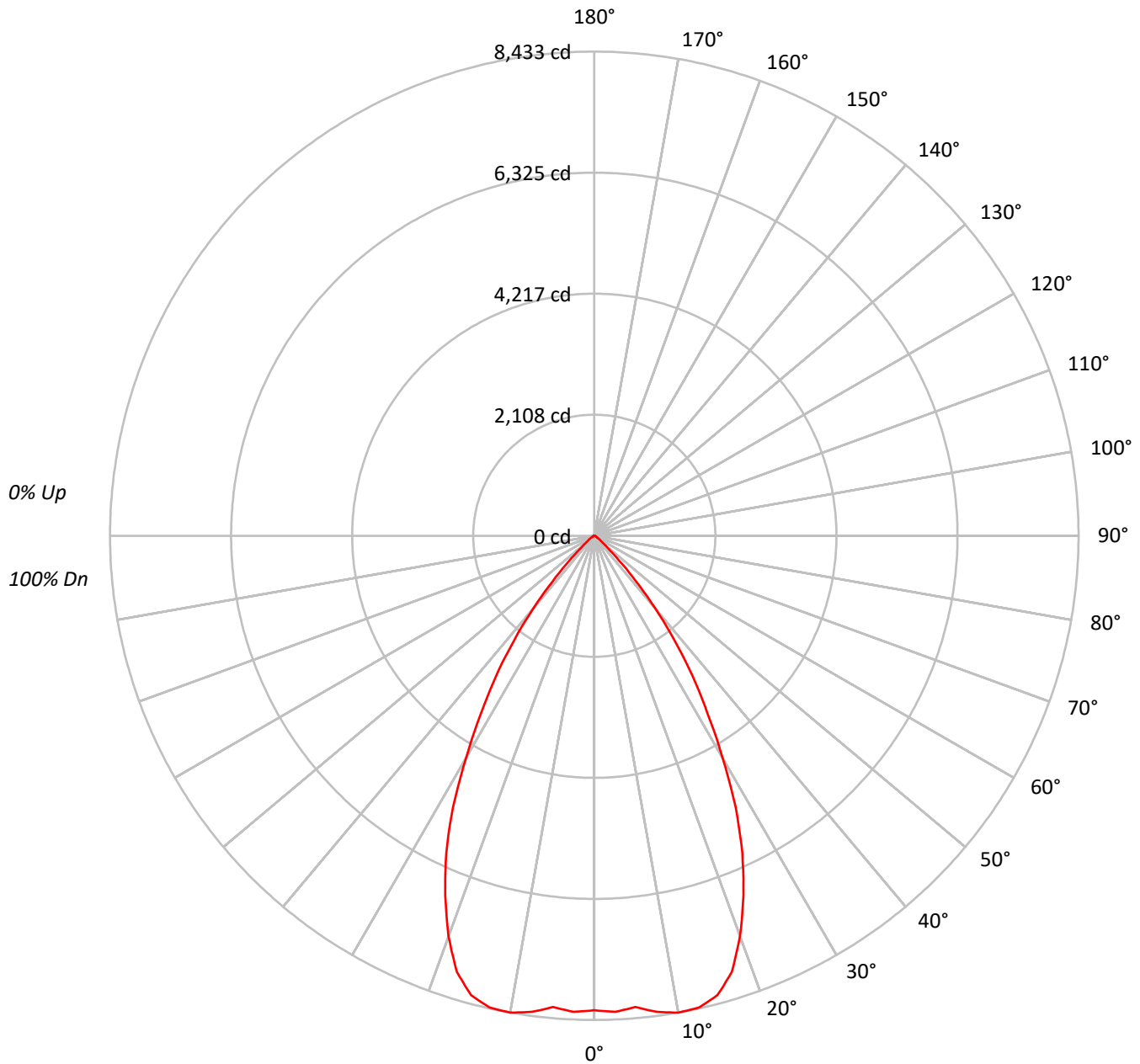


Downlight

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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°	903073
5°	903813
10°	935643
15°	937192
20°	862838
25°	735186
30°	562803
35°	397614
40°	234697
45°	95276
50°	34540
55°	19240
60°	11035
65°	6076
70°	6389
75°	4939
80°	5160
85°	4388

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 95276 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	795.9	9.5
10°-20°	2295.7	27.3
20°-30°	2754.5	32.8
30°-40°	1851.1	22.1
40°-50°	554.1	6.6
50°-60°	97.8	1.2
60°-70°	27.8	0.3
70°-80°	13.6	0.2
80°-90°	4.3	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°	5846.1	69.6
0°-40°	7697.2	91.7
0°-60°	8349.0	99.5
0°-90°	8394.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8394.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8265	
5°	8241	796
15°	8285	2296
25°	6098	2754
35°	2981	1851
45°	617	554
55°	101	98
65°	24	28
75°	12	14
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8265.3
2.5°	8300.5
5°	8240.6
7.5°	8365.1
10°	8433.3
12.5°	8416.8
15°	8285.3
17.5°	7963.4
20°	7420.8
22.5°	6781.8
25°	6098.3
27.5°	5326.6
30°	4460.9
32.5°	3676.3
35°	2981.0
37.5°	2293.9
40°	1645.5
42.5°	1074.7
45°	616.6
47.5°	326.5
50°	203.2
52.5°	140.9
55°	101.0
57.5°	72.8
60°	50.5
62.5°	32.9
65°	23.5
67.5°	21.1
70°	20.0
72.5°	15.3
75°	11.7
77.5°	10.6
80°	8.2
82.5°	5.9
85°	3.5
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)