

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: P774451

Luminaire Tested: LD6D95BD010-EU6DR4570959035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR4570959035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12789.8 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

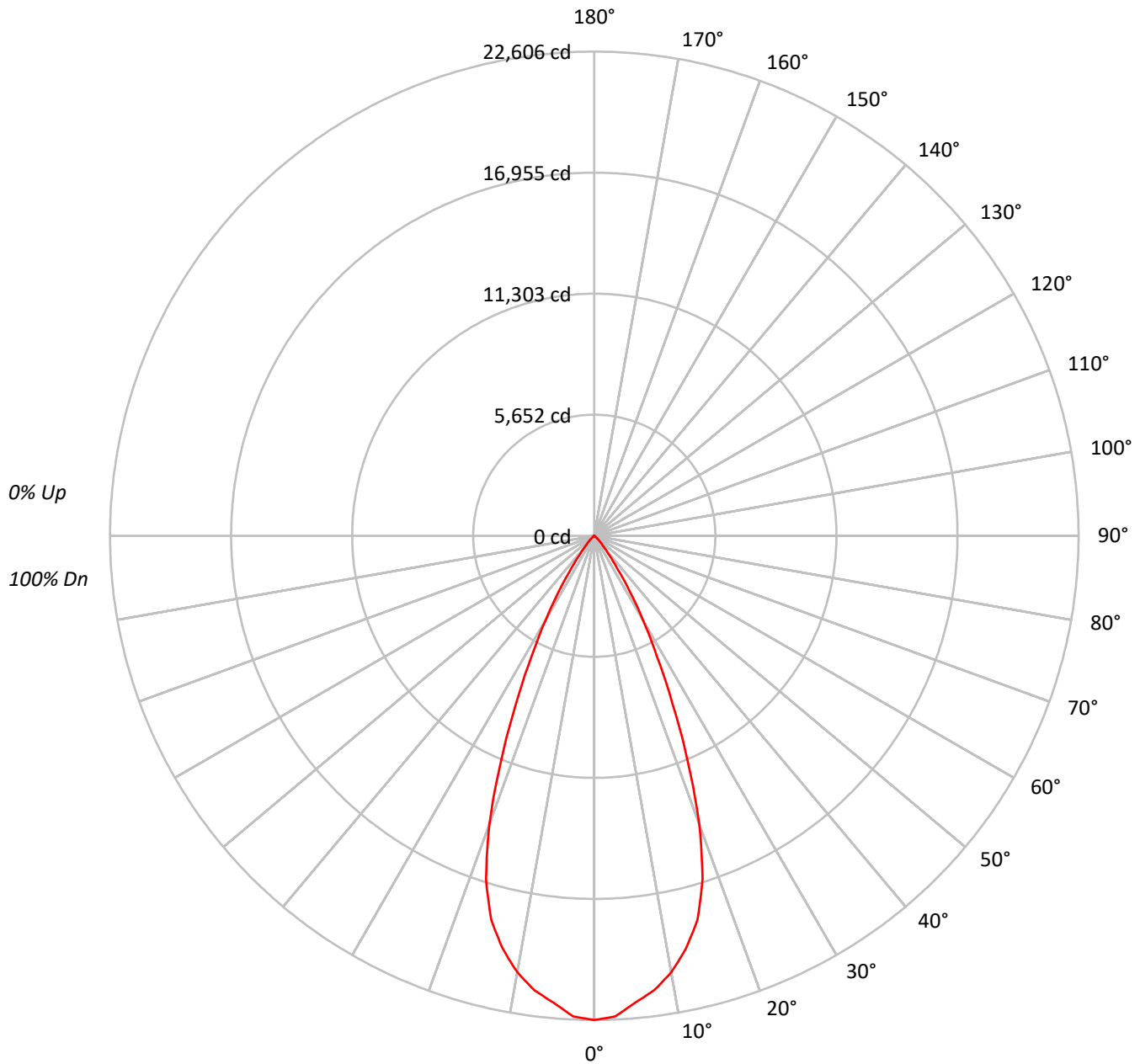


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		98
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	68	65		71	67	64		71
10	79	70	65	62	78	70	65	62	69	65	62		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2469981
5°	2399658
10°	2295822
15°	2101157
20°	1666946
25°	1040699
30°	573602
35°	257562
40°	101438
45°	47808
50°	22675
55°	11848
60°	5835
65°	1370
70°	575
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47808 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2055.7	16.1
10°-20°	5059.4	39.6
20°-30°	4006.6	31.3
30°-40°	1334.2	10.4
40°-50°	264.8	2.1
50°-60°	60.1	0.5
60°-70°	8.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	11121.8	87.0
0°-40°	12456.0	97.4
0°-60°	12780.9	99.9
0°-90°	12789.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12789.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22606	
5°	21879	###
15°	18575	5059
25°	8632	4007
35°	1931	1334
45°	309	265
55°	62	60
65°	5	9
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	22606.3
2.5°	22458.7
5°	21879.1
7.5°	21400.8
10°	20693.1
12.5°	19750.7
15°	18575.4
17.5°	16808.0
20°	14336.5
22.5°	11392.1
25°	8632.5
27.5°	6321.0
30°	4546.5
32.5°	3092.1
35°	1931.0
37.5°	1145.1
40°	711.2
42.5°	467.6
45°	309.4
47.5°	199.1
50°	133.4
52.5°	88.9
55°	62.2
57.5°	40.9
60°	26.7
62.5°	14.2
65°	5.3
67.5°	1.8
70°	1.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)