

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: P774579

Luminaire Tested: LD6D95BD010-EU6DR5570959027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR5570959027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10963.5 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
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

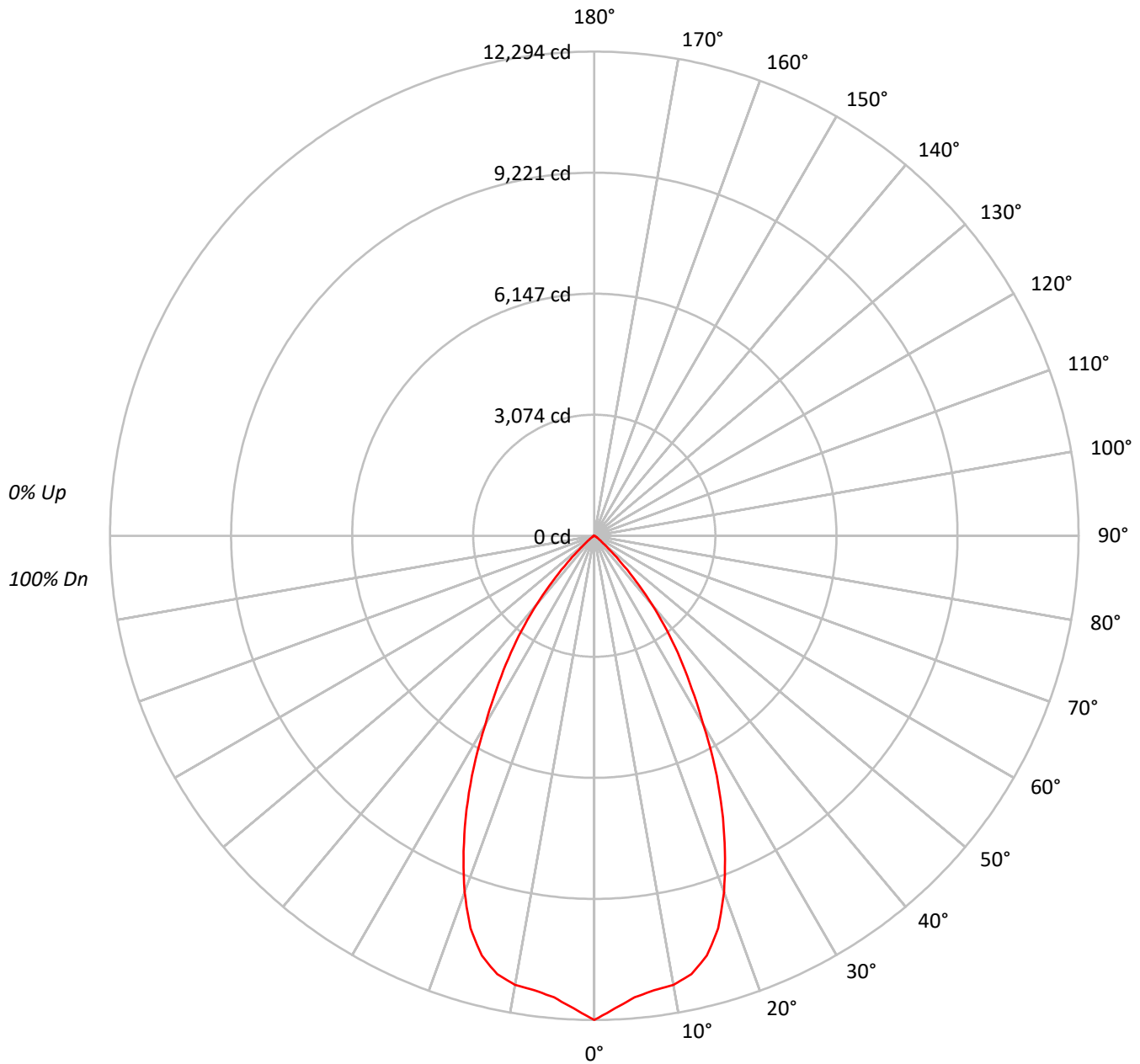


Downlight

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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	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	95		98	95	92		95	93	90		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68		86	78	72	68		76	71	68		75	70	67		74	70	67
7	83	74	68	64		82	73	67	63		72	67	63		71	66	63		70	65	62
8	79	69	63	59		78	69	63	59		68	63	59		67	62	59		66	62	58
9	75	66	60	56		74	65	59	55		64	59	55		63	58	55		62	58	55
10	72	62	56	52		71	61	56	52		61	56	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1343230
5°	1289880
10°	1285024
15°	1248112
20°	1119103
25°	924881
30°	698643
35°	506561
40°	324183
45°	148059
50°	48427
55°	20897
60°	8981
65°	1189
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 148059 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1119.1	10.2
10°-20°	3054.2	27.9
20°-30°	3480.5	31.7
30°-40°	2369.4	21.6
40°-50°	816.5	7.4
50°-60°	112.9	1.0
60°-70°	10.9	0.1
70°-80°	0.0	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°	7653.8	69.8
0°-40°	10023.2	91.4
0°-60°	10952.6	99.9
0°-90°	10963.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10963.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12294	
5°	11761	###
15°	11034	3054
25°	7672	3481
35°	3798	2369
45°	958	816
55°	110	113
65°	5	11
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12293.8
2.5°	12012.0
5°	11760.6
7.5°	11637.2
10°	11582.4
12.5°	11399.6
15°	11034.0
17.5°	10453.6
20°	9624.8
22.5°	8668.1
25°	7671.8
27.5°	6634.4
30°	5537.6
32.5°	4608.3
35°	3797.8
37.5°	3027.0
40°	2272.9
42.5°	1575.2
45°	958.2
47.5°	516.4
50°	284.9
52.5°	169.1
55°	109.7
57.5°	70.1
60°	41.1
62.5°	18.3
65°	4.6
67.5°	1.5
70°	0.0
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)