

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: P774811

Luminaire Tested: LD6D95BD010-EU6DR7070959027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR7070959027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11502.4 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

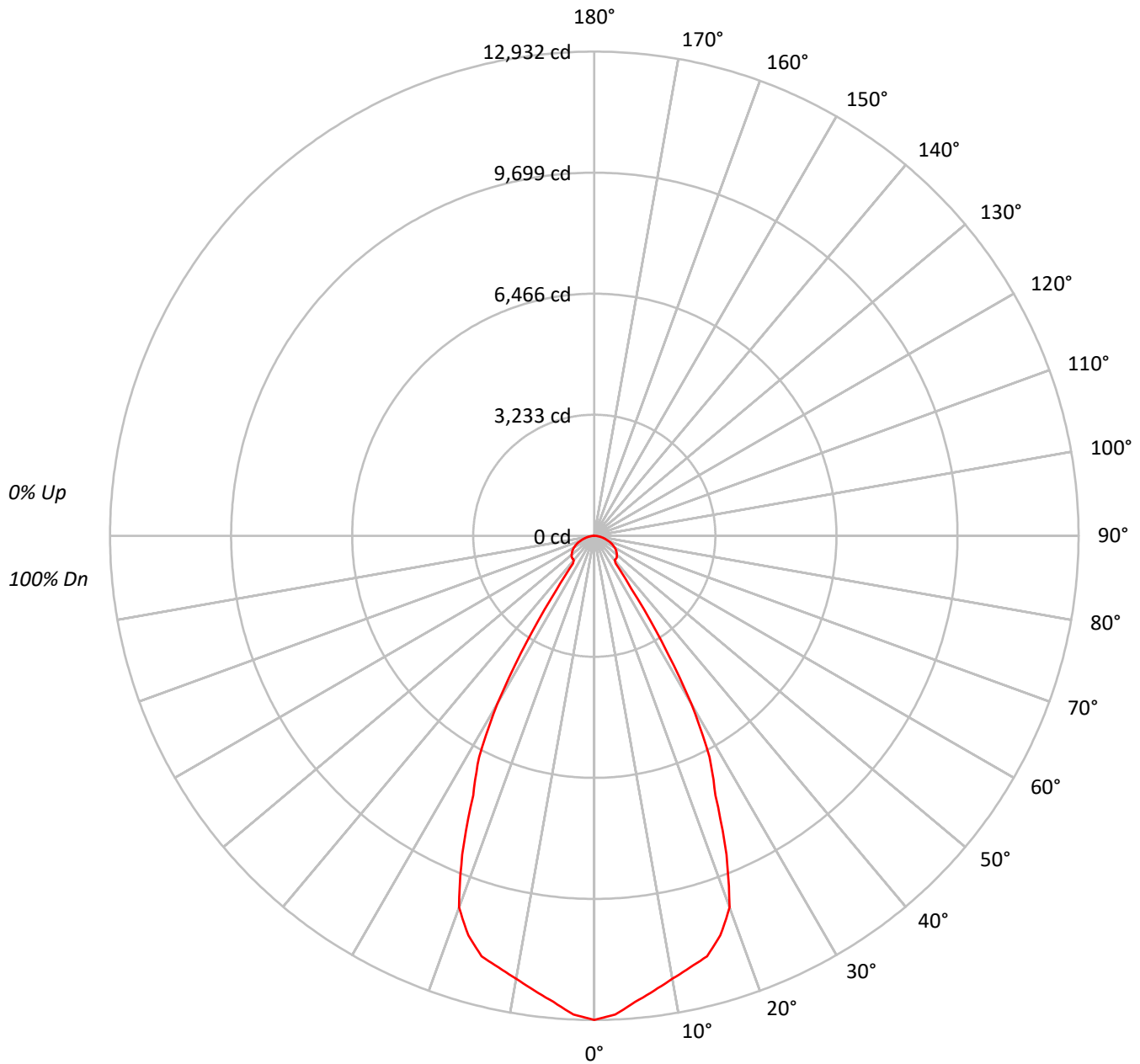


Downlight

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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	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1412960
5°	1370976
10°	1332764
15°	1315279
20°	1228202
25°	922687
30°	652252
35°	231046
40°	121492
45°	129393
50°	133995
55°	136505
60°	137363
65°	134463
70°	126888
75°	117569
80°	104323
85°	84745

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 137405 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1179.0	10.3
10°-20°	3234.0	28.1
20°-30°	3561.8	31.0
30°-40°	1360.9	11.8
40°-50°	642.6	5.6
50°-60°	638.8	5.6
60°-70°	511.4	4.4
70°-80°	294.0	2.6
80°-90°	79.9	0.7
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°	7974.8	69.3
0°-40°	9335.7	81.2
0°-60°	10617.1	92.3
0°-90°	11502.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11502.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12932	
5°	12500	###
15°	11628	3234
25°	7654	3562
35°	1732	1361
45°	837	643
55°	717	639
65°	520	511
75°	278	294
85°	68	80
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12932.0
2.5°	12796.9
5°	12500.0
7.5°	12252.2
10°	12012.7
12.5°	11810.0
15°	11627.8
17.5°	11187.5
20°	10563.1
22.5°	9215.8
25°	7653.6
27.5°	6662.6
30°	5169.9
32.5°	3339.5
35°	1732.2
37.5°	935.7
40°	851.8
42.5°	845.6
45°	837.4
47.5°	819.0
50°	788.3
52.5°	753.5
55°	716.6
57.5°	675.7
60°	628.6
62.5°	575.3
65°	520.1
67.5°	458.6
70°	397.2
72.5°	335.8
75°	278.5
77.5°	219.1
80°	165.8
82.5°	116.7
85°	67.6
87.5°	26.6
90°	0.0



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— 0°-180°







(END OF REPORT)