

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: P774810

Luminaire Tested: LD6D95BD010-EU6DR7070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774810
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-EU6DR7070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 10954.5 lumens
Efficiency: N/A
Efficacy: 110.4 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 (A_{in}): 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

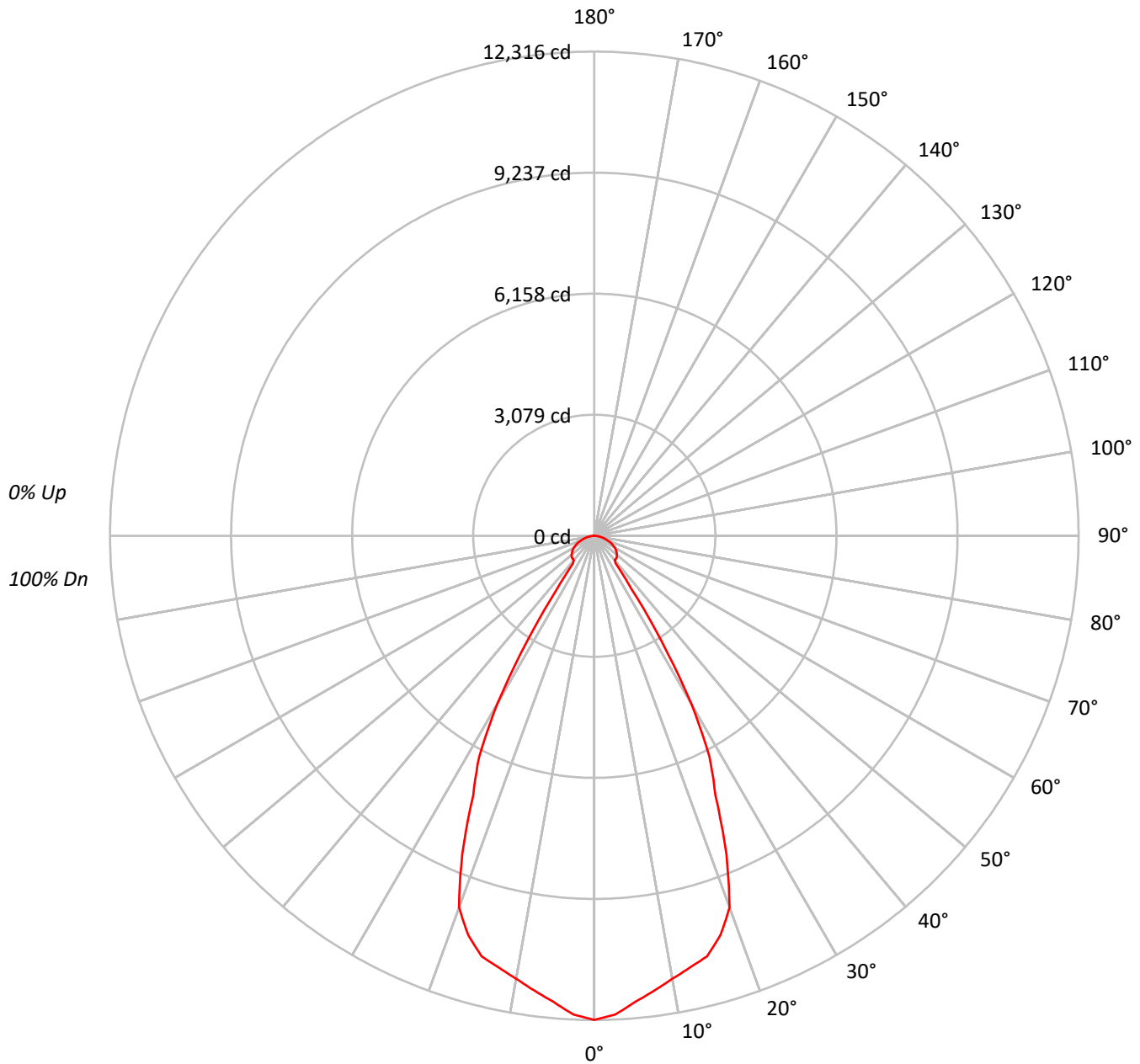


Downlight

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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°	1345677
5°	1305685
10°	1269292
15°	1252636
20°	1169705
25°	878744
30°	621191
35°	220042
40°	115701
45°	123228
50°	127604
55°	130010
60°	130807
65°	128051
70°	120851
75°	111954
80°	99352
85°	80608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 130857 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1122.9	10.3
10°-20°	3080.0	28.1
20°-30°	3392.2	31.0
30°-40°	1296.0	11.8
40°-50°	611.9	5.6
50°-60°	608.4	5.6
60°-70°	487.1	4.4
70°-80°	279.9	2.6
80°-90°	76.1	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°	7595.0	69.3
0°-40°	8891.1	81.2
0°-60°	10111.4	92.3
0°-90°	10954.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10954.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12316	
5°	11905	###
15°	11074	3080
25°	7289	3392
35°	1650	1296
45°	798	612
55°	682	608
65°	495	487
75°	265	280
85°	64	76
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12316.2
2.5°	12187.5
5°	11904.7
7.5°	11668.8
10°	11440.6
12.5°	11247.6
15°	11074.0
17.5°	10654.8
20°	10060.0
22.5°	8776.9
25°	7289.1
27.5°	6345.3
30°	4923.7
32.5°	3180.4
35°	1649.7
37.5°	891.1
40°	811.2
42.5°	805.3
45°	797.5
47.5°	780.0
50°	750.7
52.5°	717.6
55°	682.5
57.5°	643.5
60°	598.6
62.5°	547.9
65°	495.3
67.5°	436.8
70°	378.3
72.5°	319.8
75°	265.2
77.5°	208.6
80°	157.9
82.5°	111.1
85°	64.3
87.5°	25.3
90°	0.0



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— 0°-180°







(END OF REPORT)