

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: P774654

Luminaire Tested: LD6D95BD010-EU6DR6070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10883.3 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

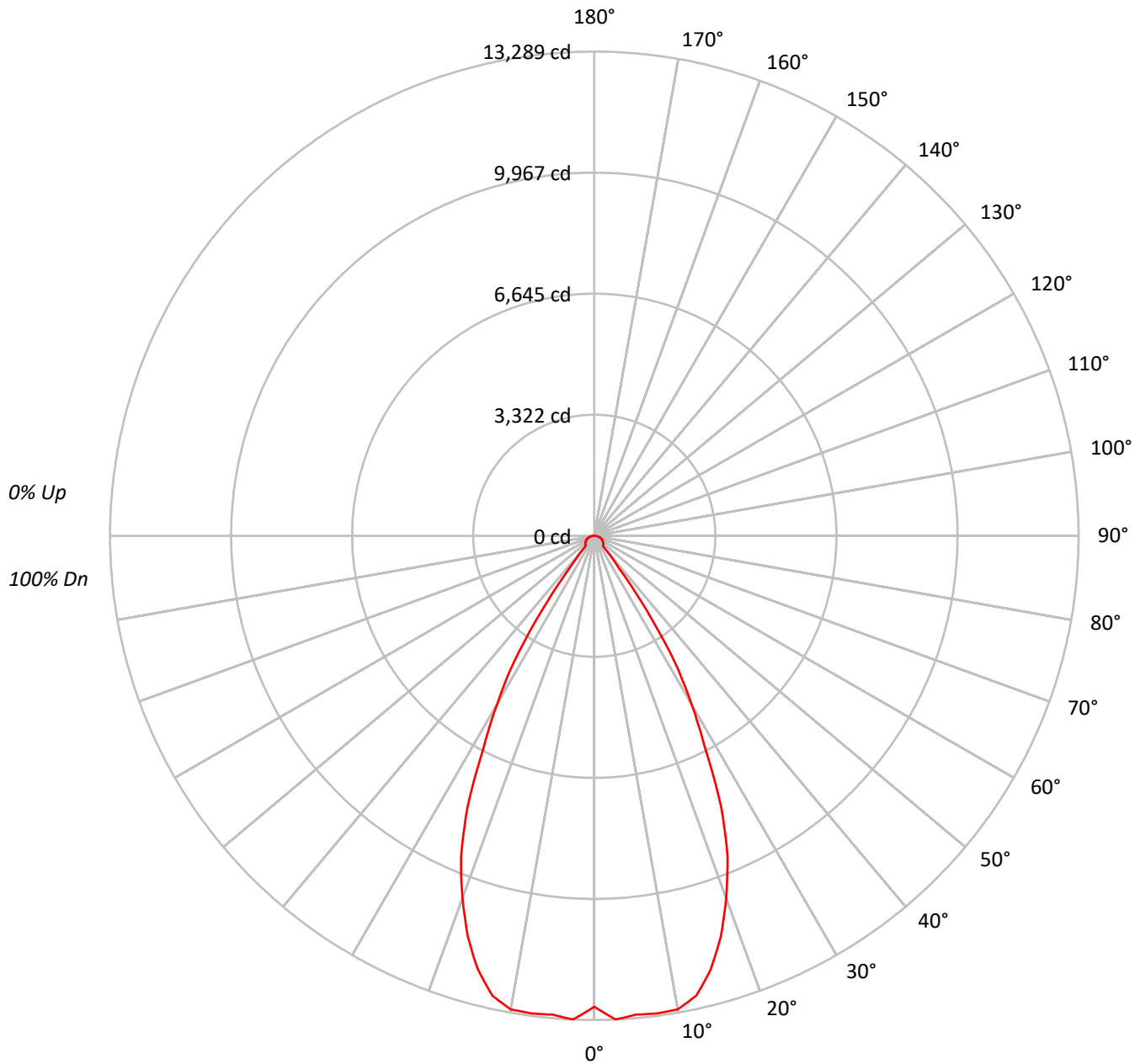


Downlight

TEST NUMBER: P774654

CATALOG NUMBER: LD6D95BD010-EU6DR6070959027-6LBDP1H

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	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1412228
5°	1446950
10°	1464435
15°	1395071
20°	1230027
25°	994876
30°	672956
35°	337218
40°	54699
45°	53541
50°	54614
55°	55433
60°	56969
65°	58273
70°	59643
75°	60368
80°	58202
85°	48515

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 60368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1260.9	11.6
10°-20°	3411.4	31.3
20°-30°	3670.4	33.7
30°-40°	1595.5	14.7
40°-50°	267.9	2.5
50°-60°	260.6	2.4
60°-70°	222.8	2.0
70°-80°	149.1	1.4
80°-90°	44.6	0.4
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°	8342.8	76.7
0°-40°	9938.2	91.3
0°-60°	10466.7	96.2
0°-90°	10883.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10883.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12925	
5°	13193	###
15°	12333	3411
25°	8252	3670
35°	2528	1595
45°	346	268
55°	291	261
65°	225	223
75°	143	149
85°	39	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12925.3
2.5°	13288.6
5°	13192.7
7.5°	13223.0
10°	13199.5
12.5°	12927.0
15°	12333.2
17.5°	11535.9
20°	10578.8
22.5°	9554.4
25°	8252.4
27.5°	6600.6
30°	5334.0
32.5°	4111.1
35°	2528.2
37.5°	1081.6
40°	383.5
42.5°	353.2
45°	346.5
47.5°	334.7
50°	321.3
52.5°	306.1
55°	291.0
57.5°	275.9
60°	260.7
62.5°	243.9
65°	225.4
67.5°	206.9
70°	186.7
72.5°	164.8
75°	143.0
77.5°	117.7
80°	92.5
82.5°	65.6
85°	38.7
87.5°	13.5
90°	0.0



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— 0°-180°







(END OF REPORT)