

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: P774706

Luminaire Tested: LD6D95BD010-EU6DR6070959050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774706
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-EU6DR6070959050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11944.7 lumens
Efficiency: N/A
Efficacy: 120.4 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 (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

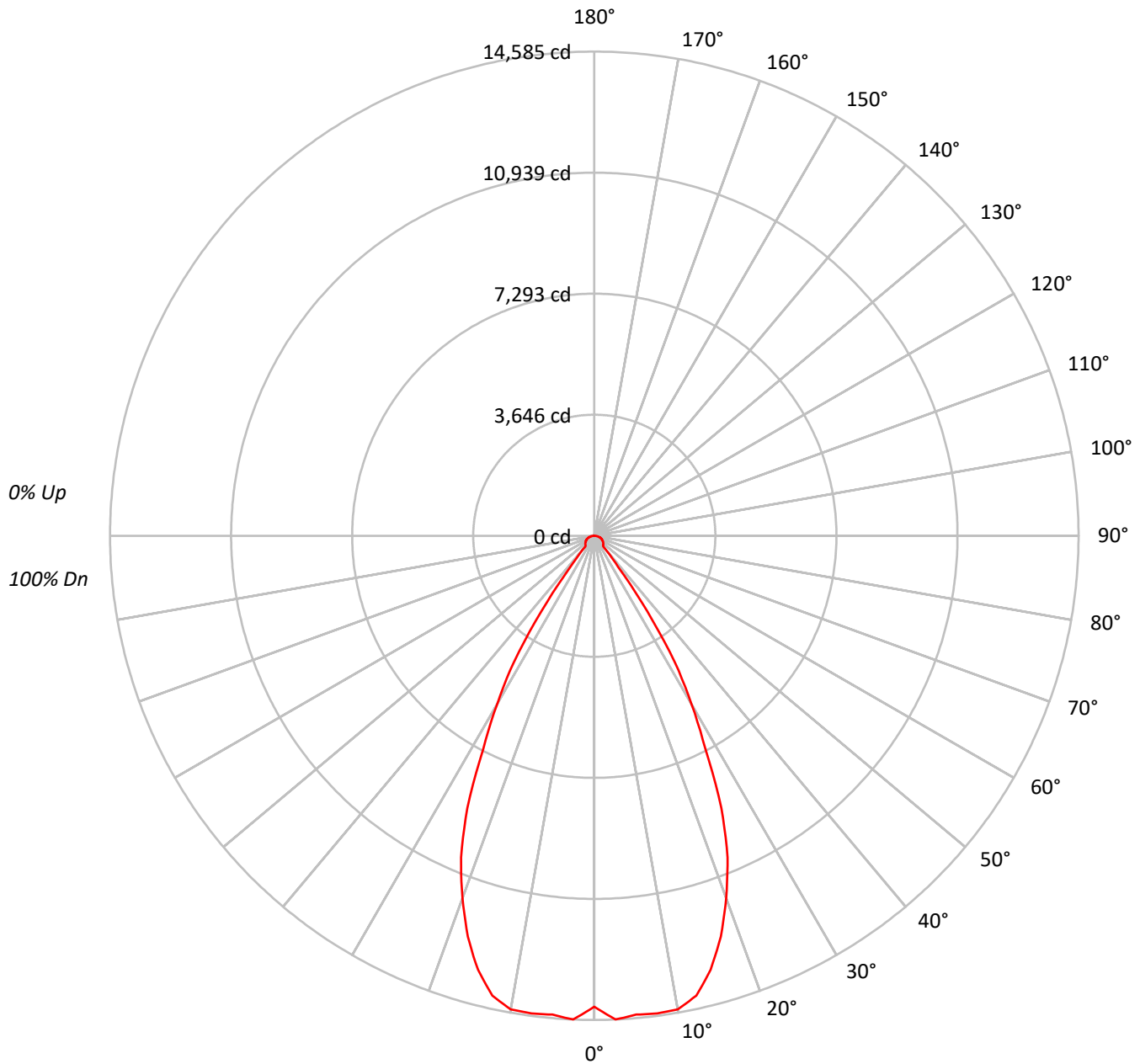


Downlight

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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	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°	1549962
5°	1588073
10°	1607257
15°	1531125
20°	1349986
25°	1091899
30°	738586
35°	370110
40°	60033
45°	58763
50°	59935
55°	60843
60°	62541
65°	63961
70°	65457
75°	66236
80°	63865
85°	53279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 66236 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1383.9	11.6
10°-20°	3744.1	31.3
20°-30°	4028.4	33.7
30°-40°	1751.1	14.7
40°-50°	294.1	2.5
50°-60°	286.0	2.4
60°-70°	244.6	2.0
70°-80°	163.6	1.4
80°-90°	49.0	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°	9156.4	76.7
0°-40°	10907.4	91.3
0°-60°	11487.5	96.2
0°-90°	11944.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11944.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14186	
5°	14479	###
15°	13536	3744
25°	9057	4028
35°	2775	1751
45°	380	294
55°	319	286
65°	247	245
75°	157	164
85°	42	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14185.9
2.5°	14584.6
5°	14479.4
7.5°	14512.6
10°	14486.8
12.5°	14187.7
15°	13536.0
17.5°	12660.9
20°	11610.5
22.5°	10486.2
25°	9057.2
27.5°	7244.3
30°	5854.2
32.5°	4512.0
35°	2774.8
37.5°	1187.1
40°	420.9
42.5°	387.7
45°	380.3
47.5°	367.4
50°	352.6
52.5°	336.0
55°	319.4
57.5°	302.8
60°	286.2
62.5°	267.7
65°	247.4
67.5°	227.1
70°	204.9
72.5°	180.9
75°	156.9
77.5°	129.2
80°	101.5
82.5°	72.0
85°	42.5
87.5°	14.8
90°	0.0



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— 0°-180°







(END OF REPORT)