

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: P774809

Luminaire Tested: LD6D95BD010-EU6DR7070959027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774809
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-EU6DR7070959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6373.6 lumens
Efficiency: N/A
Efficacy: 64.3 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

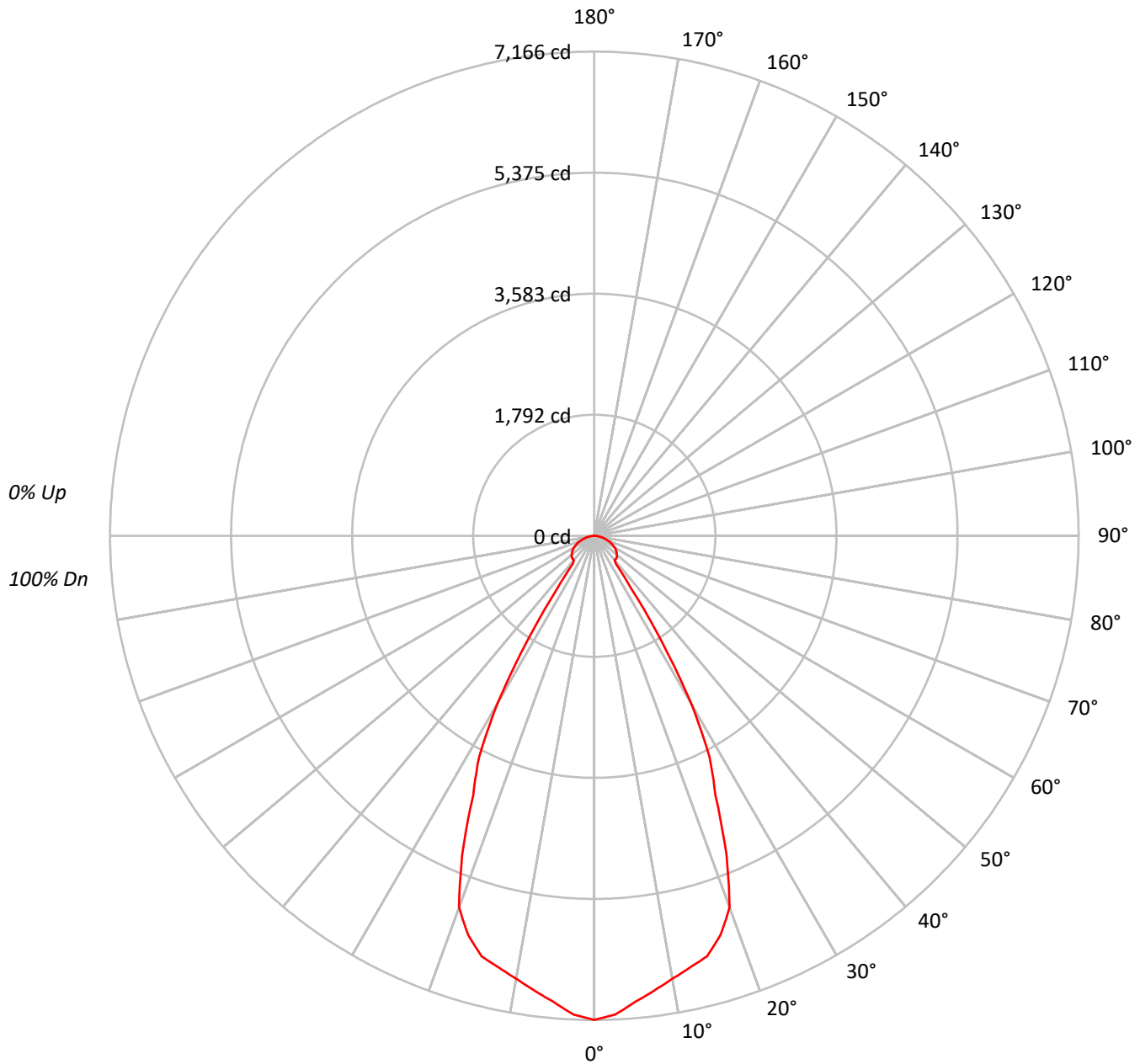


Downlight

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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°	782941
5°	759674
10°	738503
15°	728812
20°	680568
25°	511278
30°	361420
35°	128021
40°	67321
45°	71696
50°	74247
55°	75644
60°	76111
65°	74509
70°	70313
75°	65138
80°	57824
85°	46886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 76135 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.3	10.3
10°-20°	1792.0	28.1
20°-30°	1973.6	31.0
30°-40°	754.1	11.8
40°-50°	356.1	5.6
50°-60°	354.0	5.6
60°-70°	283.4	4.4
70°-80°	162.9	2.6
80°-90°	44.3	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°	4419.0	69.3
0°-40°	5173.0	81.2
0°-60°	5883.1	92.3
0°-90°	6373.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6373.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7166	
5°	6926	653
15°	6443	1792
25°	4241	1974
35°	960	754
45°	464	356
55°	397	354
65°	288	283
75°	154	163
85°	37	44
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7165.8
2.5°	7091.0
5°	6926.4
7.5°	6789.2
10°	6656.4
12.5°	6544.1
15°	6443.1
17.5°	6199.2
20°	5853.2
22.5°	5106.6
25°	4241.0
27.5°	3691.8
30°	2864.7
32.5°	1850.5
35°	959.8
37.5°	518.5
40°	472.0
42.5°	468.6
45°	464.0
47.5°	453.8
50°	436.8
52.5°	417.5
55°	397.1
57.5°	374.4
60°	348.3
62.5°	318.8
65°	288.2
67.5°	254.1
70°	220.1
72.5°	186.1
75°	154.3
77.5°	121.4
80°	91.9
82.5°	64.7
85°	37.4
87.5°	14.7
90°	0.0



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— 0°-180°







(END OF REPORT)