

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: P774848

Luminaire Tested: LD6D95BD010-EU6DR7070959040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774848
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-EU6DR7070959040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6945.6 lumens
Efficiency: N/A
Efficacy: 70.0 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

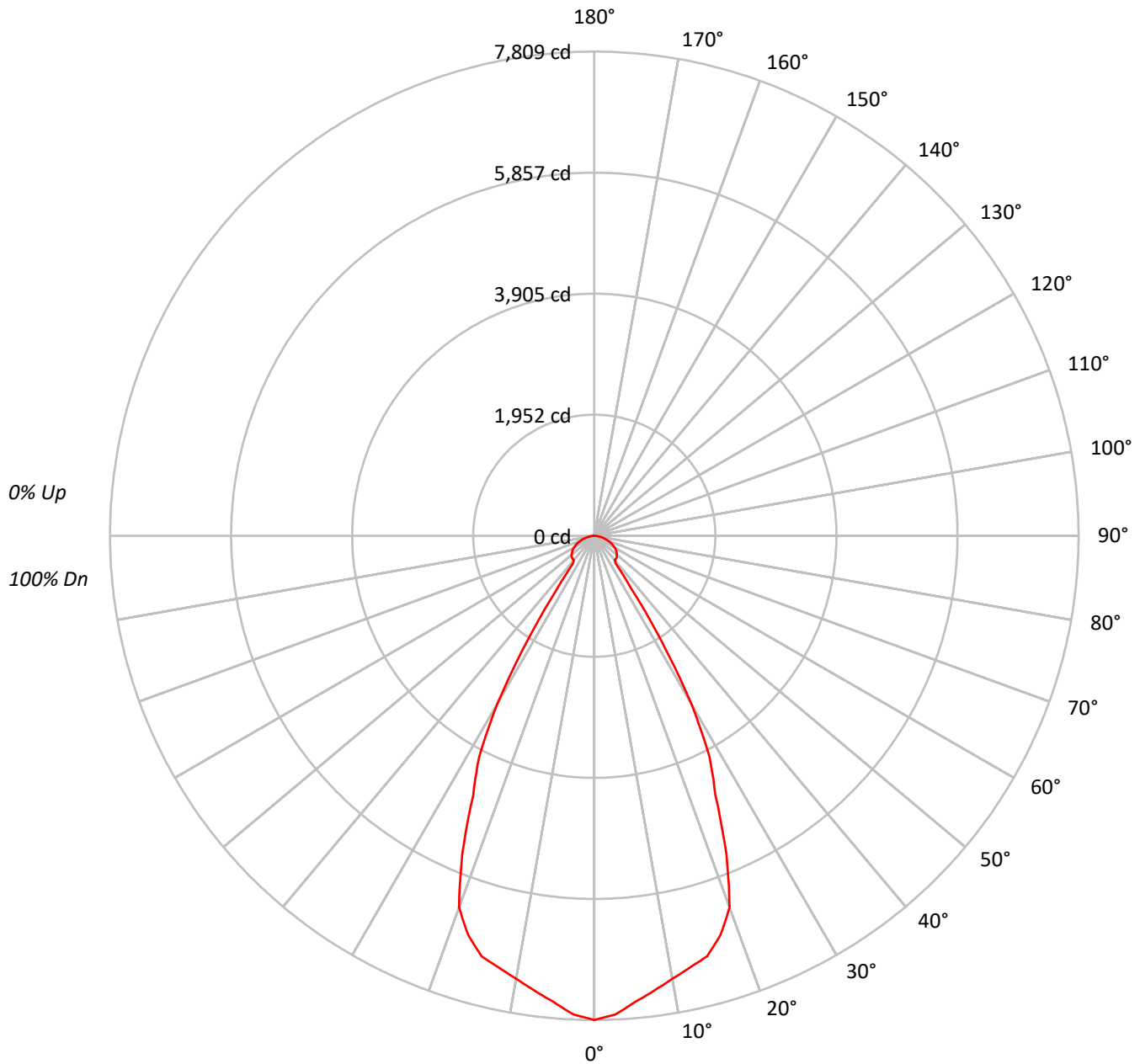


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	853206
5°	827850
10°	804782
15°	794226
20°	741635
25°	557161
30°	393857
35°	139518
40°	73354
45°	78140
50°	80910
55°	82425
60°	82951
65°	81179
70°	76638
75°	70964
80°	62984
85°	51148

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 82967 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.9	10.3
10°-20°	1952.8	28.1
20°-30°	2150.8	31.0
30°-40°	821.7	11.8
40°-50°	388.0	5.6
50°-60°	385.7	5.6
60°-70°	308.8	4.4
70°-80°	177.5	2.6
80°-90°	48.3	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°	4815.5	69.3
0°-40°	5637.3	81.2
0°-60°	6411.0	92.3
0°-90°	6945.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6945.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7809	
5°	7548	712
15°	7021	1953
25°	4622	2151
35°	1046	822
45°	506	388
55°	433	386
65°	314	309
75°	168	178
85°	41	48
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7808.9
2.5°	7727.3
5°	7548.0
7.5°	7398.4
10°	7253.8
12.5°	7131.4
15°	7021.4
17.5°	6755.5
20°	6378.4
22.5°	5564.9
25°	4621.6
27.5°	4023.2
30°	3121.8
32.5°	2016.5
35°	1046.0
37.5°	565.0
40°	514.3
42.5°	510.6
45°	505.7
47.5°	494.5
50°	476.0
52.5°	455.0
55°	432.7
57.5°	408.0
60°	379.6
62.5°	347.4
65°	314.0
67.5°	276.9
70°	239.9
72.5°	202.8
75°	168.1
77.5°	132.3
80°	100.1
82.5°	70.5
85°	40.8
87.5°	16.1
90°	0.0



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— 0°-180°







(END OF REPORT)