

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: P774822

Luminaire Tested: LD6D95BD010-EU6DR7070959030-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774822
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-EU6DR7070959030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6566.3 lumens
Efficiency: N/A
Efficacy: 66.2 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

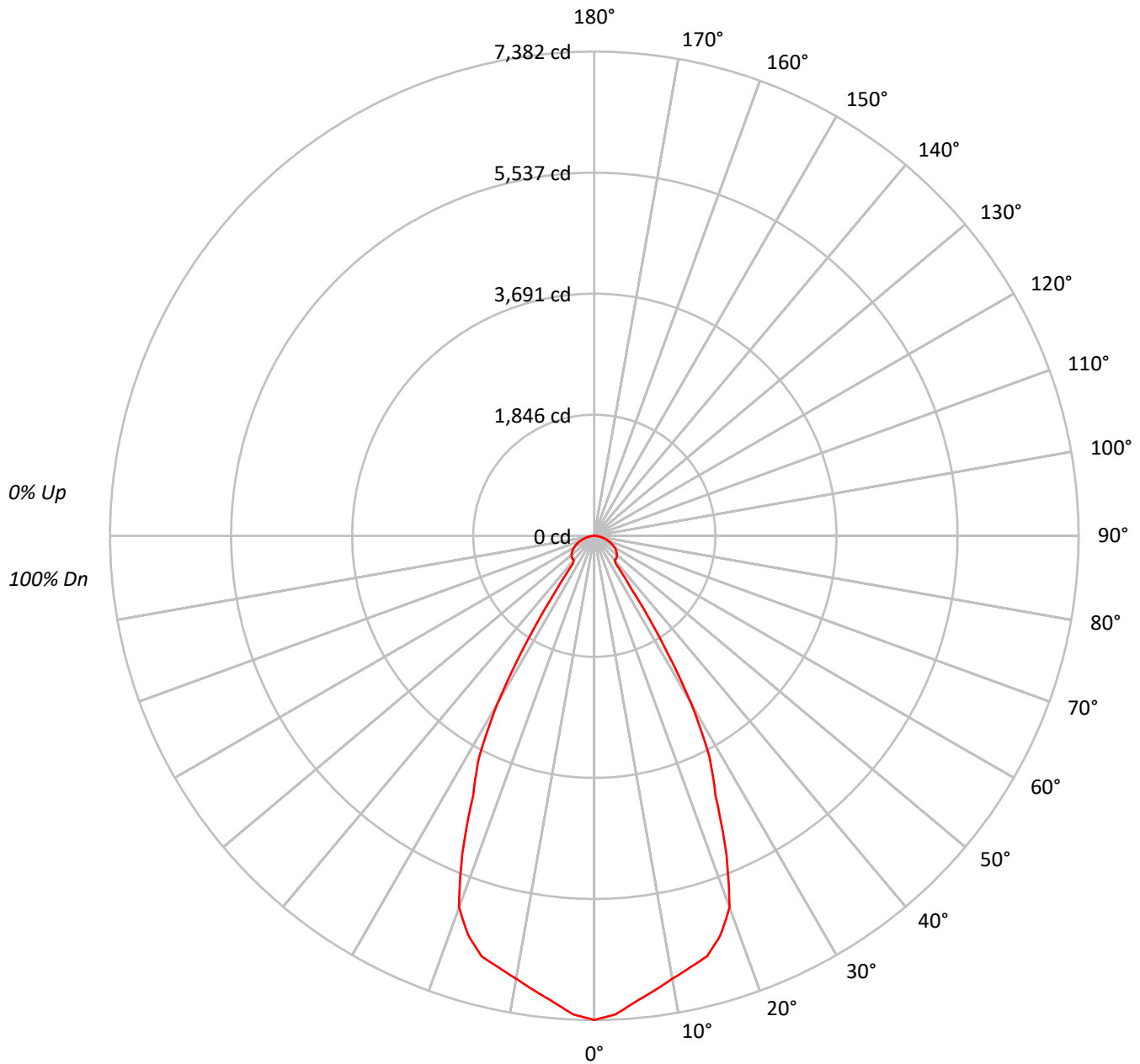


Downlight

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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					0
RW	70	50	30	10	70	50	30	10	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	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	806607
5°	782641
10°	760825
15°	750835
20°	701125
25°	526721
30°	372346
35°	131889
40°	69347
45°	73875
50°	76491
55°	77930
60°	78406
65°	76758
70°	72453
75°	67122
80°	59586
85°	48390

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 78433 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.1	10.3
10°-20°	1846.2	28.1
20°-30°	2033.3	31.0
30°-40°	776.9	11.8
40°-50°	366.8	5.6
50°-60°	364.7	5.6
60°-70°	292.0	4.4
70°-80°	167.8	2.6
80°-90°	45.6	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°	4552.5	69.3
0°-40°	5329.4	81.2
0°-60°	6060.8	92.3
0°-90°	6566.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6566.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7382	
5°	7136	673
15°	6638	1846
25°	4369	2033
35°	989	777
45°	478	367
55°	409	365
65°	297	292
75°	159	168
85°	39	46
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7382.4
2.5°	7305.2
5°	7135.8
7.5°	6994.3
10°	6857.6
12.5°	6741.9
15°	6637.8
17.5°	6386.5
20°	6030.0
22.5°	5260.9
25°	4369.1
27.5°	3803.4
30°	2951.3
32.5°	1906.4
35°	988.8
37.5°	534.2
40°	486.2
42.5°	482.7
45°	478.1
47.5°	467.5
50°	450.0
52.5°	430.1
55°	409.1
57.5°	385.7
60°	358.8
62.5°	328.4
65°	296.9
67.5°	261.8
70°	226.8
72.5°	191.7
75°	159.0
77.5°	125.1
80°	94.7
82.5°	66.6
85°	38.6
87.5°	15.2
90°	0.0



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— 0°-180°







(END OF REPORT)