

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: P774692

Luminaire Tested: LD6D95BD010-EU6DR6070959040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774692
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-EU6DR6070959040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9339.4 lumens
Efficiency: N/A
Efficacy: 94.1 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

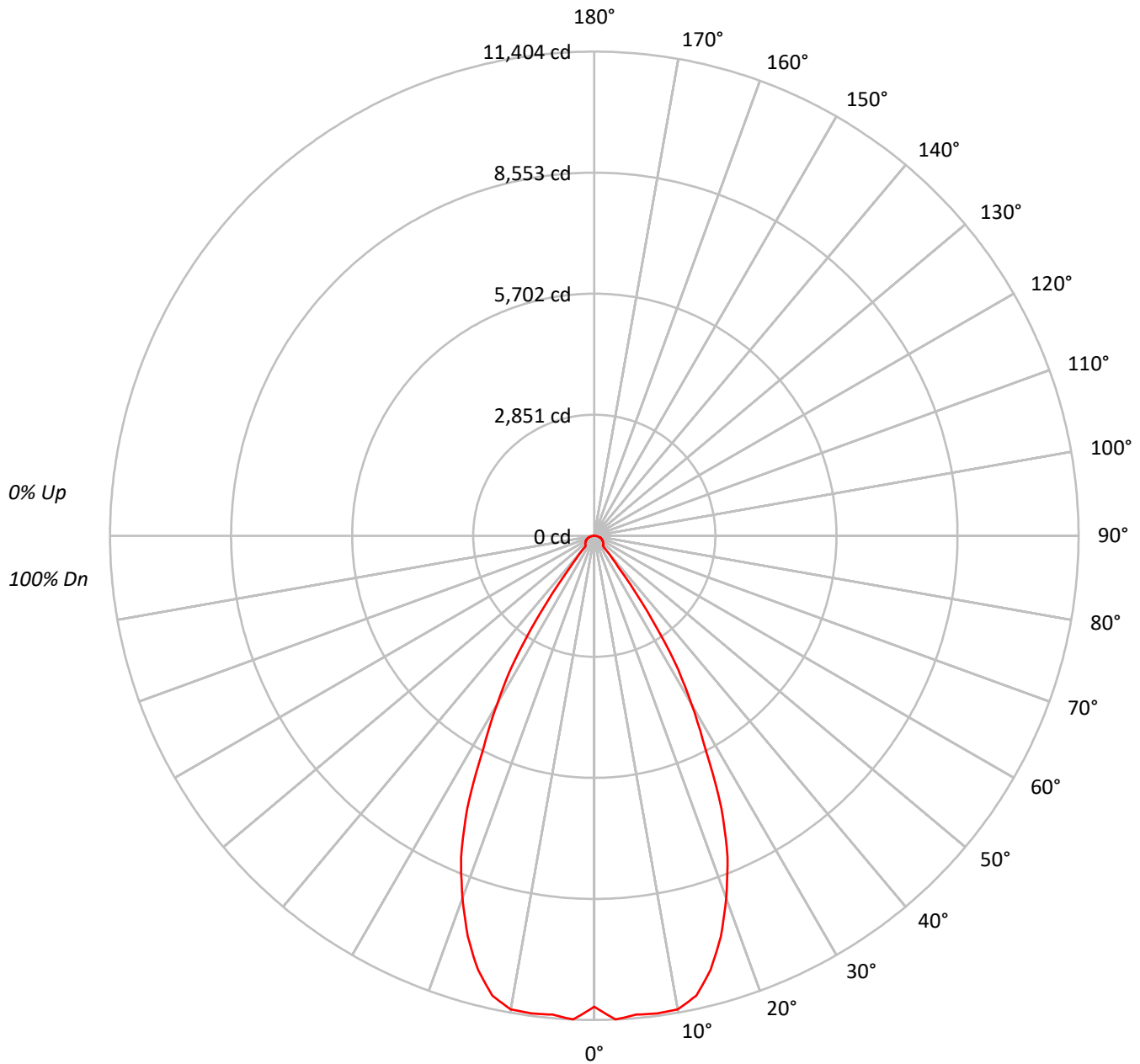


Downlight

TEST NUMBER: P774692

CATALOG NUMBER: LD6D95BD010-EU6DR6070959040-6LBDP1B

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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93						
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80						
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75						
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70						
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66						
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62						
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59						
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55						
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1211898
5°	1241699
10°	1256700
15°	1197176
20°	1055537
25°	853753
30°	577488
35°	289387
40°	46939
45°	45954
50°	46863
55°	47565
60°	48883
65°	50000
70°	51177
75°	51798
80°	49959
85°	41620

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 51798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1082.0	11.6
10°-20°	2927.5	31.3
20°-30°	3149.8	33.7
30°-40°	1369.1	14.7
40°-50°	230.0	2.5
50°-60°	223.6	2.4
60°-70°	191.2	2.0
70°-80°	128.0	1.4
80°-90°	38.3	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°	7159.3	76.7
0°-40°	8528.4	91.3
0°-60°	8982.0	96.2
0°-90°	9339.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9339.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11092	
5°	11321	###
15°	10584	2928
25°	7082	3150
35°	2170	1369
45°	297	230
55°	250	224
65°	193	191
75°	123	128
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11091.8
2.5°	11403.6
5°	11321.3
7.5°	11347.3
10°	11327.1
12.5°	11093.2
15°	10583.7
17.5°	9899.5
20°	9078.1
22.5°	8199.0
25°	7081.8
27.5°	5664.3
30°	4577.3
32.5°	3527.9
35°	2169.6
37.5°	928.2
40°	329.1
42.5°	303.1
45°	297.4
47.5°	287.3
50°	275.7
52.5°	262.7
55°	249.7
57.5°	236.7
60°	223.7
62.5°	209.3
65°	193.4
67.5°	177.5
70°	160.2
72.5°	141.5
75°	122.7
77.5°	101.0
80°	79.4
82.5°	56.3
85°	33.2
87.5°	11.5
90°	0.0



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— 0°-180°







(END OF REPORT)