

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: P774653

Luminaire Tested: LD6D95BD010-EU6DR6070959027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774653
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-EU6DR6070959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8570.4 lumens
Efficiency: N/A
Efficacy: 86.4 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 (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

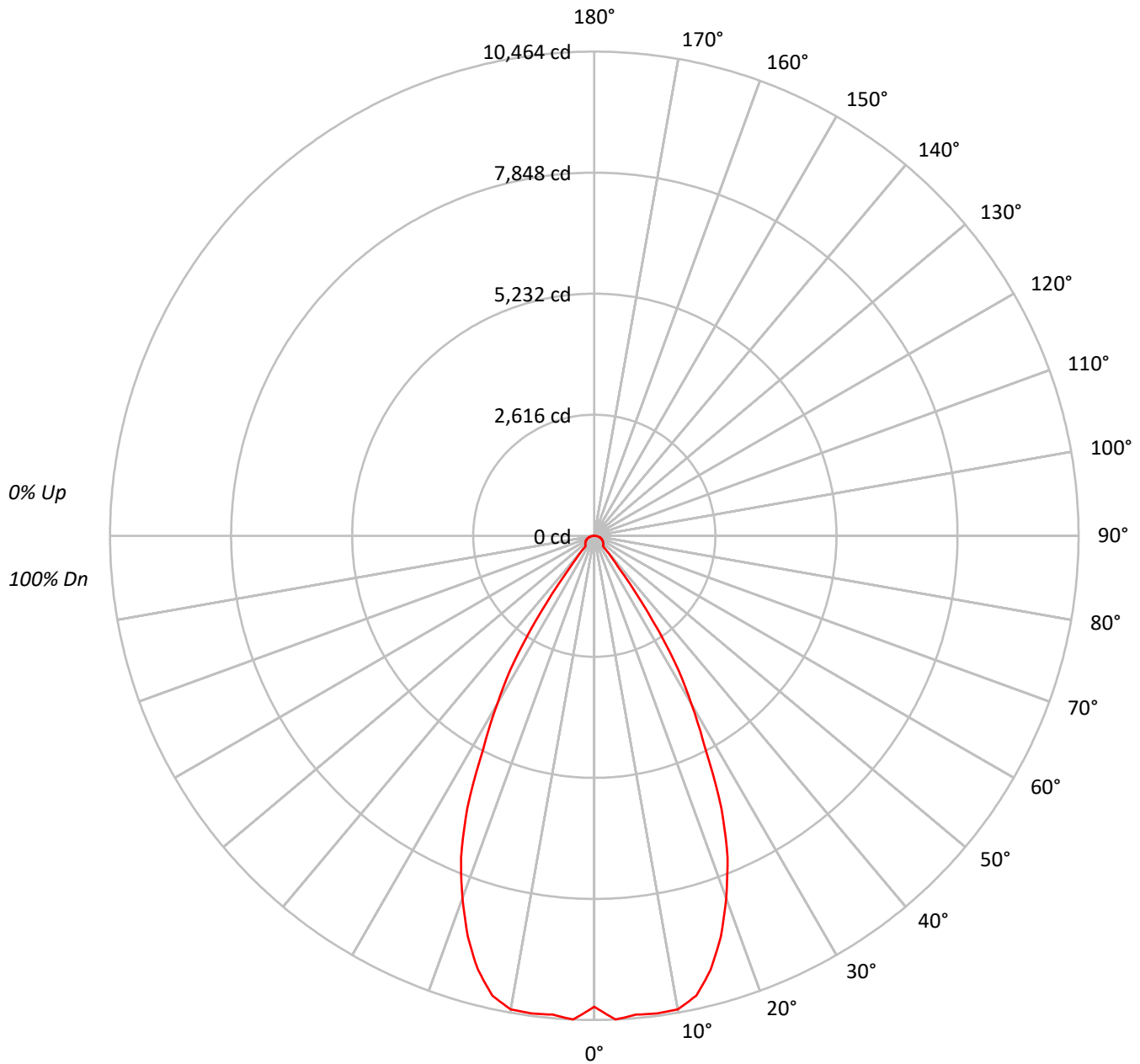


Downlight

TEST NUMBER: P774653

CATALOG NUMBER: LD6D95BD010-EU6DR6070959027-6LBDP1B

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	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°	1112089
5°	1139446
10°	1153209
15°	1098585
20°	968611
25°	783445
30°	529937
35°	265552
40°	43074
45°	42168
50°	43005
55°	43660
60°	44862
65°	45890
70°	46960
75°	47534
80°	45869
85°	38236

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 47534 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	992.9	11.6
10°-20°	2686.4	31.3
20°-30°	2890.4	33.7
30°-40°	1256.4	14.7
40°-50°	211.0	2.5
50°-60°	205.2	2.4
60°-70°	175.5	2.0
70°-80°	117.4	1.4
80°-90°	35.2	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°	6569.7	76.7
0°-40°	7826.1	91.3
0°-60°	8242.3	96.2
0°-90°	8570.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8570.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10178	
5°	10389	993
15°	9712	2686
25°	6499	2890
35°	1991	1256
45°	273	211
55°	229	205
65°	178	175
75°	113	117
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10178.3
2.5°	10464.5
5°	10389.0
7.5°	10412.8
10°	10394.3
12.5°	10179.7
15°	9712.1
17.5°	9084.2
20°	8330.5
22.5°	7523.8
25°	6498.6
27.5°	5197.8
30°	4200.4
32.5°	3237.4
35°	1990.9
37.5°	851.7
40°	302.0
42.5°	278.2
45°	272.9
47.5°	263.6
50°	253.0
52.5°	241.1
55°	229.2
57.5°	217.2
60°	205.3
62.5°	192.1
65°	177.5
67.5°	162.9
70°	147.0
72.5°	129.8
75°	112.6
77.5°	92.7
80°	72.9
82.5°	51.7
85°	30.5
87.5°	10.6
90°	0.0



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— 0°-180°







(END OF REPORT)