

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: P773252

Luminaire Tested: LD6D85BD010-EU6DR7070959027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773252
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: LD6D85BD010-EU6DR7070959027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7874.6 lumens
Efficiency: N/A
Efficacy: 89.8 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): 87.7
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

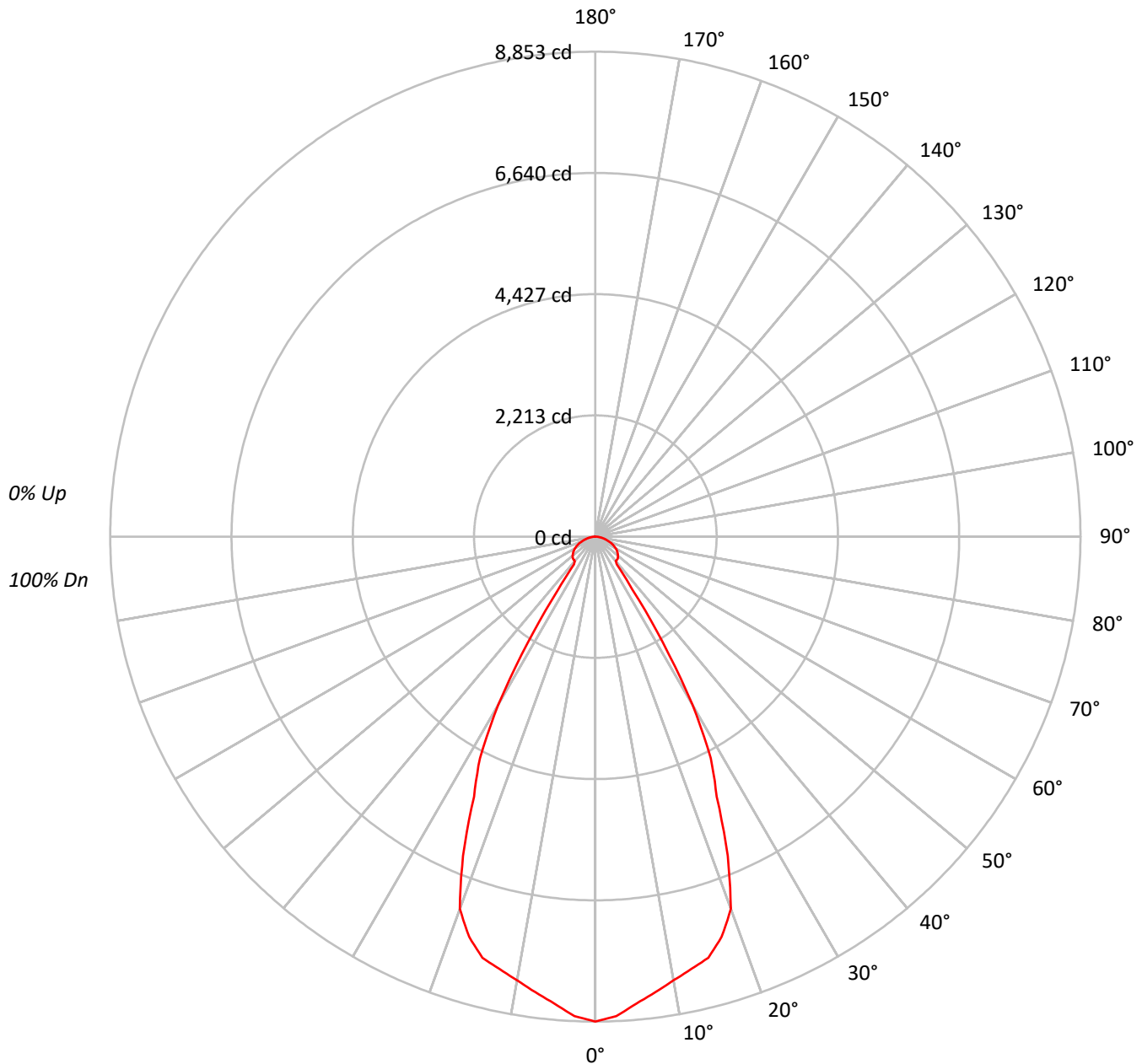


Downlight

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CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LBDP1MW

Luminous Intensity Polar Plot





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CATALOG NUMBER: LD6D85BD010-EU6DR7070959027-6LB DP1MW

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	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°	967329
5°	938581
10°	912422
15°	900452
20°	840839
25°	631677
30°	446543
35°	158179
40°	83167
45°	88585
50°	91738
55°	93455
60°	94030
65°	92038
70°	86860
75°	80462
80°	71415
85°	58043

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 94070 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.2	10.3
10°-20°	2214.0	28.1
20°-30°	2438.4	31.0
30°-40°	931.7	11.8
40°-50°	439.9	5.6
50°-60°	437.3	5.6
60°-70°	350.1	4.4
70°-80°	201.2	2.6
80°-90°	54.7	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°	5459.6	69.3
0°-40°	6391.3	81.2
0°-60°	7268.5	92.3
0°-90°	7874.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7874.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8853	
5°	8558	807
15°	7960	2214
25°	5240	2438
35°	1186	932
45°	573	440
55°	491	437
65°	356	350
75°	191	201
85°	46	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8853.4
2.5°	8760.9
5°	8557.6
7.5°	8388.0
10°	8224.0
12.5°	8085.3
15°	7960.5
17.5°	7659.1
20°	7231.6
22.5°	6309.2
25°	5239.7
27.5°	4561.3
30°	3539.4
32.5°	2286.2
35°	1185.9
37.5°	640.6
40°	583.1
42.5°	578.9
45°	573.3
47.5°	560.7
50°	539.7
52.5°	515.8
55°	490.6
57.5°	462.6
60°	430.3
62.5°	393.9
65°	356.0
67.5°	314.0
70°	271.9
72.5°	229.9
75°	190.6
77.5°	150.0
80°	113.5
82.5°	79.9
85°	46.3
87.5°	18.2
90°	0.0



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— 0°-180°







(END OF REPORT)