

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: P772887

Luminaire Tested: LD6D85BD010-EU6DR4570959035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR4570959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11182.0 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

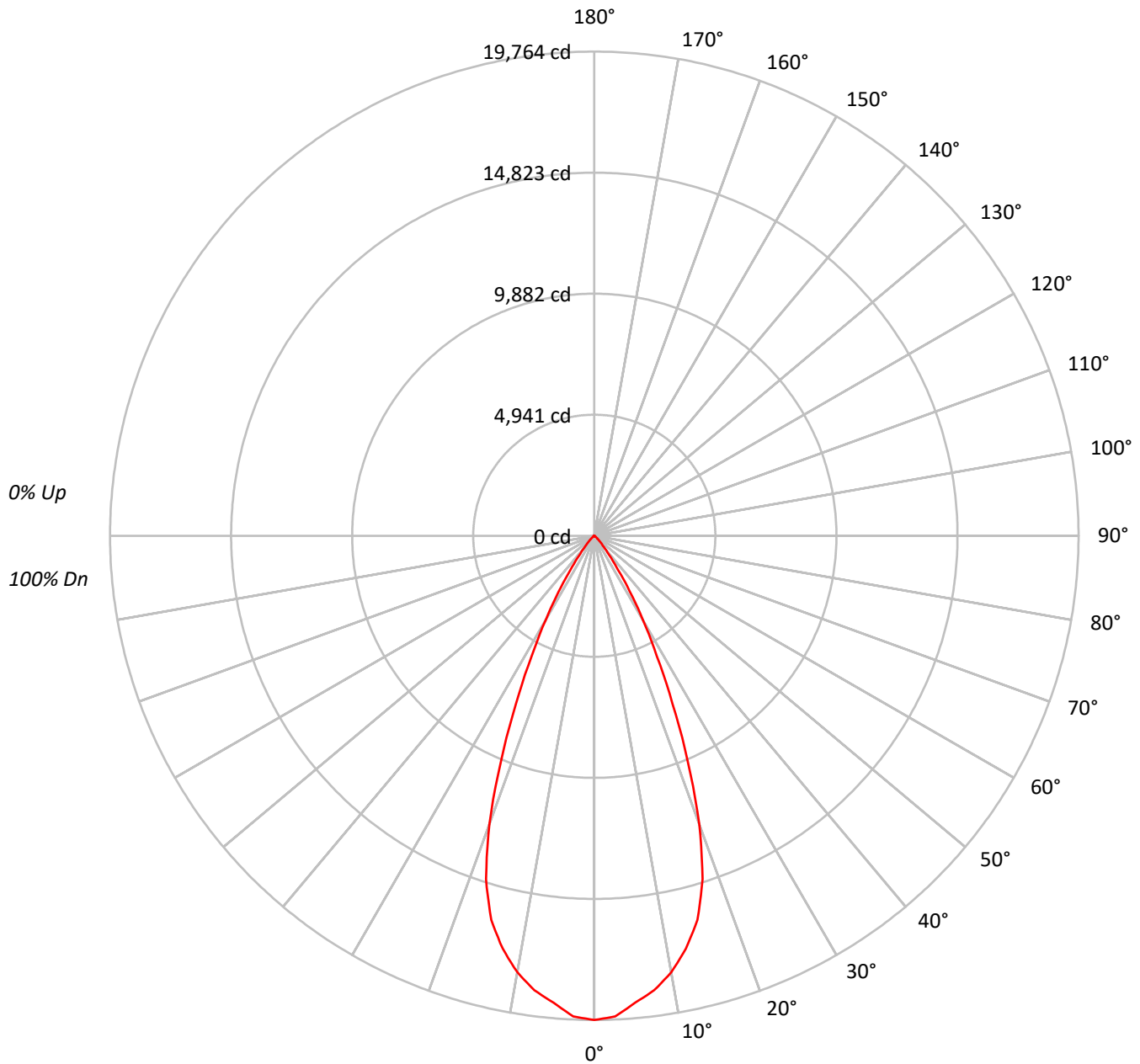


Downlight

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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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2159473
5°	2097989
10°	2007218
15°	1837022
20°	1457399
25°	909872
30°	501500
35°	225177
40°	88687
45°	41797
50°	19820
55°	10363
60°	5092
65°	1215
70°	511
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41797 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1797.3	16.1
10°-20°	4423.4	39.6
20°-30°	3502.9	31.3
30°-40°	1166.5	10.4
40°-50°	231.5	2.1
50°-60°	52.6	0.5
60°-70°	7.6	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	9723.6	87.0
0°-40°	10890.1	97.4
0°-60°	11174.2	99.9
0°-90°	11182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11182.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19764	
5°	19129	###
15°	16240	4423
25°	7547	3503
35°	1688	1166
45°	270	232
55°	54	53
65°	5	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19764.4
2.5°	19635.4
5°	19128.6
7.5°	18710.5
10°	18091.8
12.5°	17267.8
15°	16240.3
17.5°	14695.1
20°	12534.3
22.5°	9959.9
25°	7547.3
27.5°	5526.4
30°	3975.0
32.5°	2703.3
35°	1688.2
37.5°	1001.1
40°	621.8
42.5°	408.8
45°	270.5
47.5°	174.1
50°	116.6
52.5°	77.7
55°	54.4
57.5°	35.8
60°	23.3
62.5°	12.4
65°	4.7
67.5°	1.6
70°	1.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)