

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: P773159

Luminaire Tested: LD6D85BD010-EU6DR6570959024-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7725.8 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

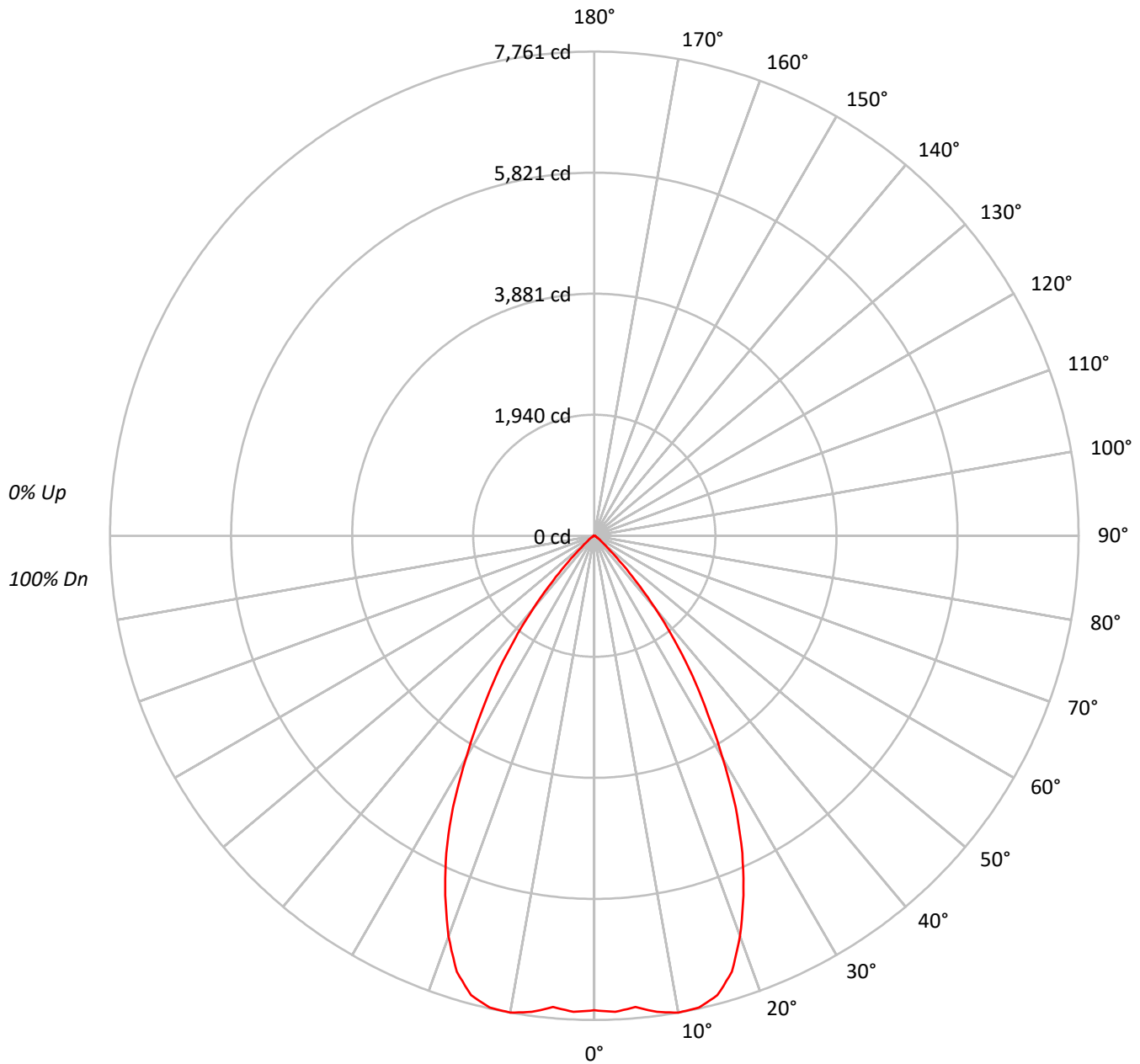


Downlight

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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
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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	831103
5°	831788
10°	861076
15°	862502
20°	794074
25°	676596
30°	517951
35°	365922
40°	215999
45°	87689
50°	31786
55°	17716
60°	10161
65°	5584
70°	5878
75°	4559
80°	4782
85°	4012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 87689 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.4	9.5
10°-20°	2112.8	27.3
20°-30°	2535.0	32.8
30°-40°	1703.5	22.0
40°-50°	510.0	6.6
50°-60°	90.0	1.2
60°-70°	25.6	0.3
70°-80°	12.5	0.2
80°-90°	4.0	0.1
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°	5380.2	69.6
0°-40°	7083.7	91.7
0°-60°	7683.7	99.5
0°-90°	7725.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7725.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7607	
5°	7584	732
15°	7625	2113
25°	5612	2535
35°	2743	1704
45°	568	510
55°	93	90
65°	22	26
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7606.6
2.5°	7639.0
5°	7583.9
7.5°	7698.5
10°	7761.2
12.5°	7746.0
15°	7625.0
17.5°	7328.8
20°	6829.4
22.5°	6241.4
25°	5612.3
27.5°	4902.1
30°	4105.4
32.5°	3383.3
35°	2743.4
37.5°	2111.1
40°	1514.4
42.5°	989.1
45°	567.5
47.5°	300.5
50°	187.0
52.5°	129.7
55°	93.0
57.5°	67.0
60°	46.5
62.5°	30.3
65°	21.6
67.5°	19.5
70°	18.4
72.5°	14.1
75°	10.8
77.5°	9.7
80°	7.6
82.5°	5.4
85°	3.2
87.5°	2.2
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)