

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: P773161

Luminaire Tested: LD6D85BD010-EU6DR6570959024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773161
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-EU6DR6570959024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6665.8 lumens
Efficiency: N/A
Efficacy: 76.0 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 (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

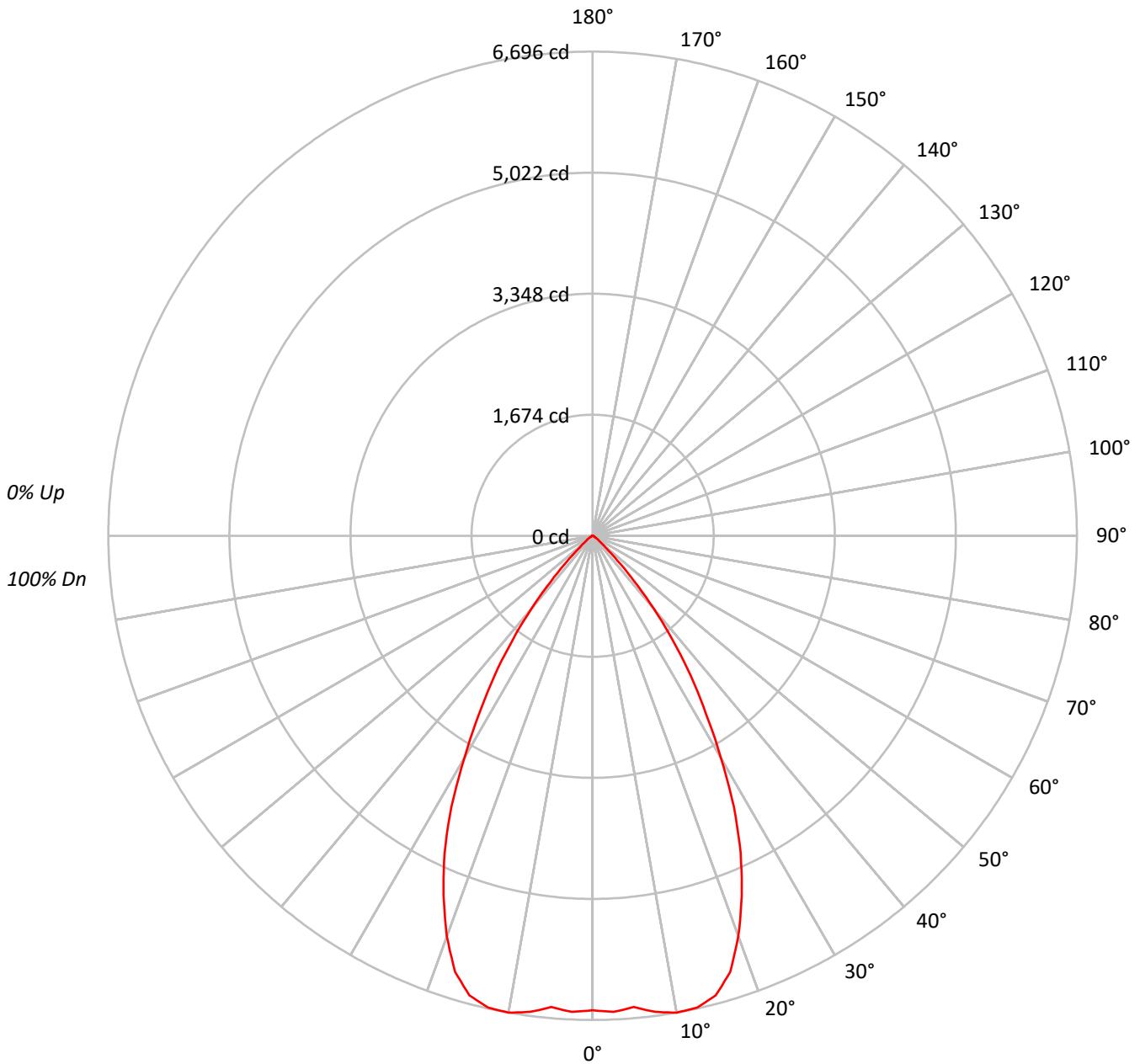


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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°	717067
5°	717657
10°	742930
15°	744161
20°	685115
25°	583756
30°	446884
35°	315717
40°	186360
45°	75652
50°	27418
55°	15277
60°	8763
65°	4835
70°	5079
75°	3926
80°	4090
85°	3510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75652 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.0	9.5
10°-20°	1822.9	27.3
20°-30°	2187.1	32.8
30°-40°	1469.8	22.1
40°-50°	440.0	6.6
50°-60°	77.6	1.2
60°-70°	22.1	0.3
70°-80°	10.8	0.2
80°-90°	3.4	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°	4642.0	69.6
0°-40°	6111.8	91.7
0°-60°	6629.4	99.5
0°-90°	6665.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6665.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6563	
5°	6543	632
15°	6579	1823
25°	4842	2187
35°	2367	1470
45°	490	440
55°	80	78
65°	19	22
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6562.9
2.5°	6590.9
5°	6543.3
7.5°	6642.2
10°	6696.3
12.5°	6683.2
15°	6578.8
17.5°	6323.2
20°	5892.3
22.5°	5385.0
25°	4842.2
27.5°	4229.5
30°	3542.1
32.5°	2919.1
35°	2367.0
37.5°	1821.4
40°	1306.6
42.5°	853.4
45°	489.6
47.5°	259.3
50°	161.3
52.5°	111.9
55°	80.2
57.5°	57.8
60°	40.1
62.5°	26.1
65°	18.7
67.5°	16.8
70°	15.9
72.5°	12.1
75°	9.3
77.5°	8.4
80°	6.5
82.5°	4.7
85°	2.8
87.5°	1.9
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)