

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: P773213

Luminaire Tested: LD6D85BD010-EU6DR6570959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773213
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-EU6DR6570959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8228.5 lumens
Efficiency: N/A
Efficacy: 93.8 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

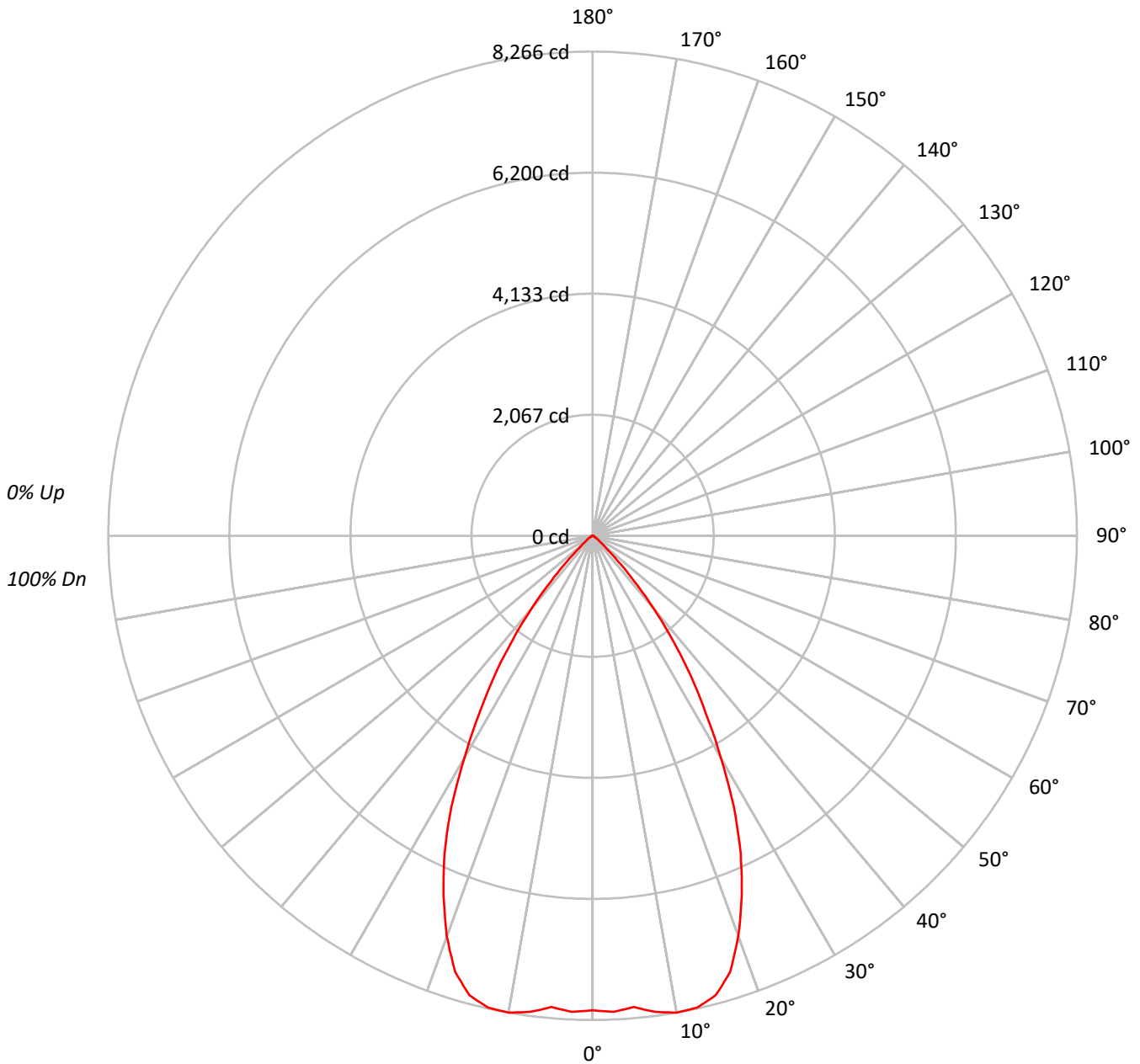


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	885176
5°	885903
10°	917093
15°	918619
20°	845734
25°	720611
30°	551650
35°	389731
40°	230048
45°	93391
50°	33860
55°	18859
60°	10817
65°	5946
70°	6261
75°	4855
80°	5097
85°	4388

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 93391 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	780.1	9.5
10°-20°	2250.2	27.3
20°-30°	2699.9	32.8
30°-40°	1814.4	22.0
40°-50°	543.1	6.6
50°-60°	95.9	1.2
60°-70°	27.2	0.3
70°-80°	13.4	0.2
80°-90°	4.3	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°	5730.2	69.6
0°-40°	7544.6	91.7
0°-60°	8183.6	99.5
0°-90°	8228.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8228.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8102	
5°	8077	780
15°	8121	2250
25°	5977	2700
35°	2922	1814
45°	604	543
55°	99	96
65°	23	27
75°	12	13
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8101.5
2.5°	8136.0
5°	8077.3
7.5°	8199.4
10°	8266.1
12.5°	8250.0
15°	8121.1
17.5°	7805.6
20°	7273.7
22.5°	6647.4
25°	5977.4
27.5°	5221.0
30°	4372.5
32.5°	3603.5
35°	2921.9
37.5°	2248.4
40°	1612.9
42.5°	1053.4
45°	604.4
47.5°	320.1
50°	199.2
52.5°	138.2
55°	99.0
57.5°	71.4
60°	49.5
62.5°	32.2
65°	23.0
67.5°	20.7
70°	19.6
72.5°	15.0
75°	11.5
77.5°	10.4
80°	8.1
82.5°	5.8
85°	3.5
87.5°	2.3
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)