

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: P772342

Luminaire Tested: LD6D80BD010-EU6DR6070959035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8870.3 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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

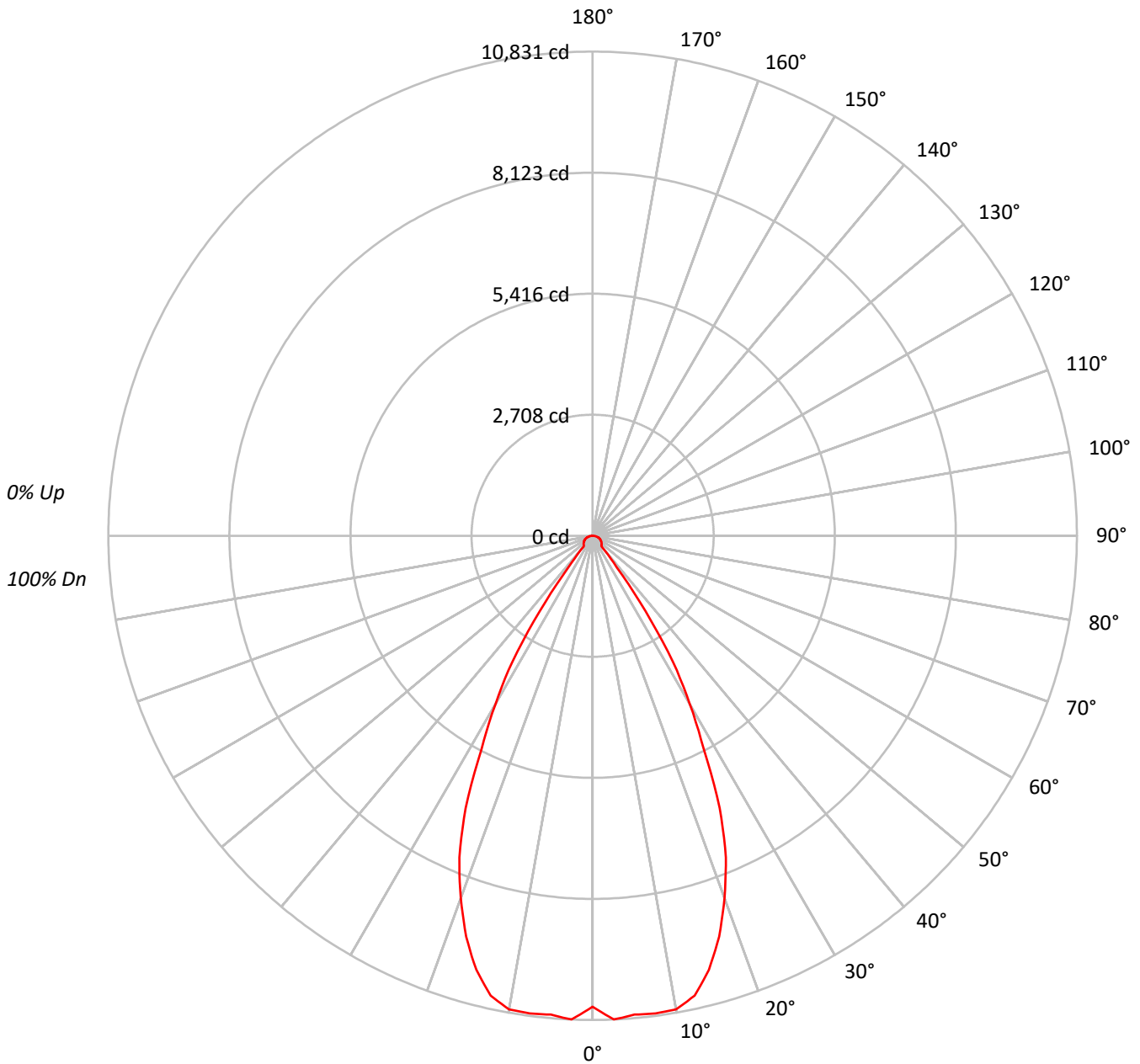


Downlight

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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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1151018
5°	1179325
10°	1193571
15°	1137033
20°	1002516
25°	810859
30°	548483
35°	274848
40°	44586
45°	43636
50°	44518
55°	45184
60°	46436
65°	47493
70°	48621
75°	49181
80°	47442
85°	39489

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 49181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.7	11.6
10°-20°	2780.4	31.3
20°-30°	2991.5	33.7
30°-40°	1300.4	14.7
40°-50°	218.4	2.5
50°-60°	212.4	2.4
60°-70°	181.6	2.0
70°-80°	121.5	1.4
80°-90°	36.4	0.4
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°	6799.7	76.7
0°-40°	8100.0	91.3
0°-60°	8530.8	96.2
0°-90°	8870.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8870.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10535	
5°	10753	###
15°	10052	2780
25°	6726	2992
35°	2061	1300
45°	282	218
55°	237	212
65°	184	182
75°	116	122
85°	32	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10534.6
2.5°	10830.7
5°	10752.6
7.5°	10777.3
10°	10758.1
12.5°	10536.0
15°	10052.0
17.5°	9402.2
20°	8622.1
22.5°	7787.2
25°	6726.0
27.5°	5379.7
30°	4347.4
32.5°	3350.7
35°	2060.6
37.5°	881.5
40°	312.6
42.5°	287.9
45°	282.4
47.5°	272.8
50°	261.9
52.5°	249.5
55°	237.2
57.5°	224.8
60°	212.5
62.5°	198.8
65°	183.7
67.5°	168.6
70°	152.2
72.5°	134.4
75°	116.5
77.5°	96.0
80°	75.4
82.5°	53.5
85°	31.5
87.5°	11.0
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)