

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: P773109

Luminaire Tested: LD6D85BD010-EU6DR6070959030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773109
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: LD6D85BD010-EU6DR6070959030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9344.7 lumens
Efficiency: N/A
Efficacy: 106.6 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): 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

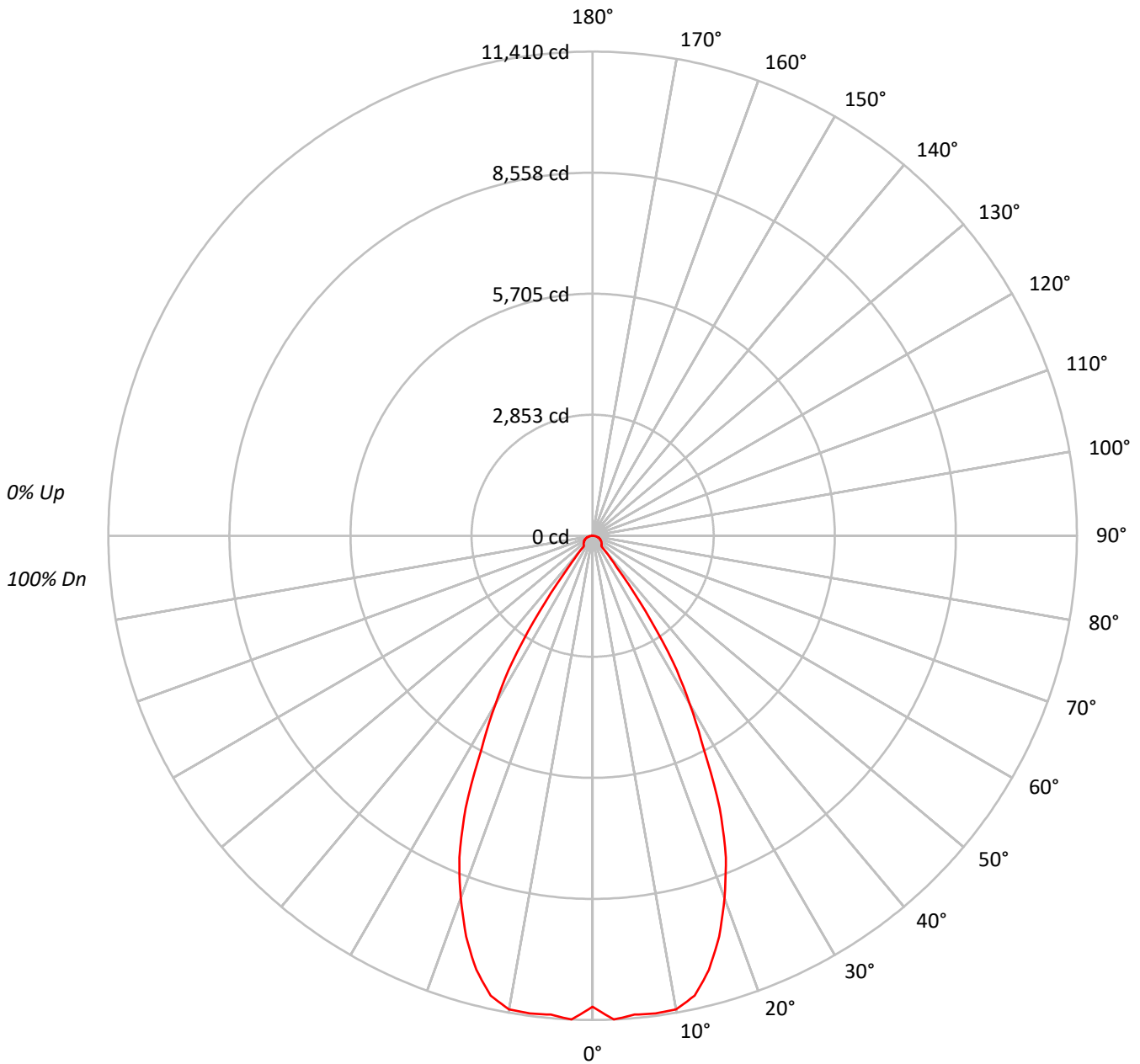


Downlight

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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	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°	1212565
5°	1242390
10°	1257399
15°	1197843
20°	1056130
25°	854223
30°	577816
35°	289547
40°	46968
45°	45969
50°	46897
55°	47604
60°	48927
65°	50026
70°	51209
75°	51840
80°	49959
85°	41620

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 51840 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1082.6	11.6
10°-20°	2929.1	31.3
20°-30°	3151.5	33.7
30°-40°	1369.9	14.7
40°-50°	230.1	2.5
50°-60°	223.8	2.4
60°-70°	191.3	2.0
70°-80°	128.0	1.4
80°-90°	38.3	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°	7163.3	76.7
0°-40°	8533.2	91.3
0°-60°	8987.0	96.2
0°-90°	9344.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9344.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11098	
5°	11328	###
15°	10590	2929
25°	7086	3152
35°	2171	1370
45°	298	230
55°	250	224
65°	194	191
75°	123	128
85°	33	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11097.9
2.5°	11409.9
5°	11327.6
7.5°	11353.6
10°	11333.4
12.5°	11099.4
15°	10589.6
17.5°	9905.0
20°	9083.2
22.5°	8203.6
25°	7085.7
27.5°	5667.4
30°	4579.9
32.5°	3529.9
35°	2170.8
37.5°	928.7
40°	329.3
42.5°	303.3
45°	297.5
47.5°	287.4
50°	275.9
52.5°	262.9
55°	249.9
57.5°	236.9
60°	223.9
62.5°	209.4
65°	193.5
67.5°	177.6
70°	160.3
72.5°	141.5
75°	122.8
77.5°	101.1
80°	79.4
82.5°	56.3
85°	33.2
87.5°	11.6
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)