

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: P773304

Luminaire Tested: LD6D85BD010-EU6DR7070959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR7070959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8642.7 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

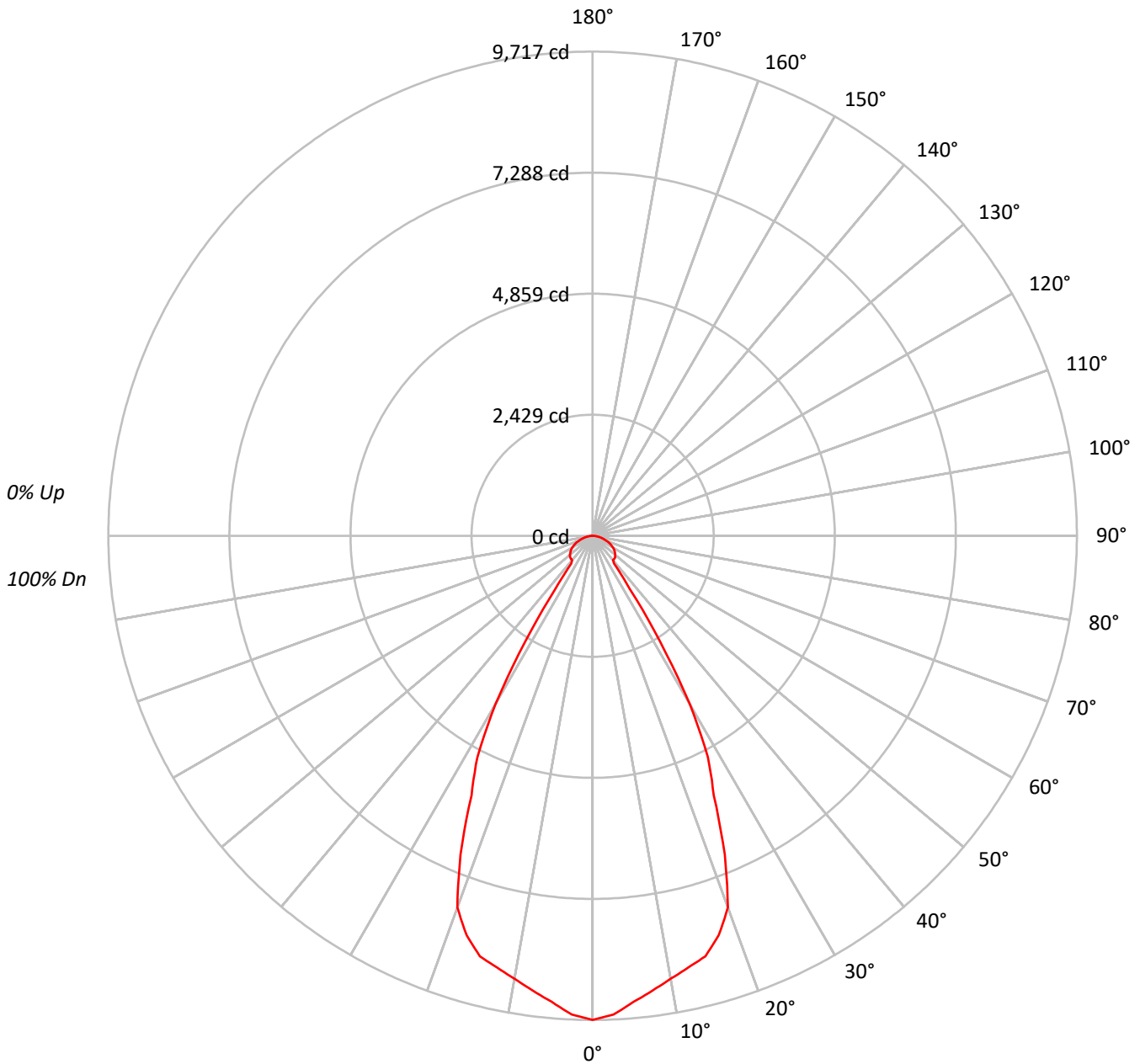


Downlight

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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1061676
5°	1030130
10°	1001412
15°	988275
20°	922846
25°	693281
30°	490095
35°	173598
40°	91283
45°	97223
50°	100679
55°	102579
60°	103208
65°	101035
70°	95358
75°	88314
80°	78399
85°	63684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 103242 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.9	10.3
10°-20°	2430.0	28.1
20°-30°	2676.3	31.0
30°-40°	1022.5	11.8
40°-50°	482.8	5.6
50°-60°	480.0	5.6
60°-70°	384.3	4.4
70°-80°	220.9	2.6
80°-90°	60.1	0.7
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°	5992.1	69.3
0°-40°	7014.6	81.2
0°-60°	7977.5	92.3
0°-90°	8642.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8642.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9717	
5°	9392	886
15°	8737	2430
25°	5751	2676
35°	1302	1023
45°	629	483
55°	538	480
65°	391	384
75°	209	221
85°	51	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9716.9
2.5°	9615.3
5°	9392.3
7.5°	9206.1
10°	9026.1
12.5°	8873.8
15°	8736.9
17.5°	8406.1
20°	7936.9
22.5°	6924.6
25°	5750.7
27.5°	5006.1
30°	3884.6
32.5°	2509.2
35°	1301.5
37.5°	703.1
40°	640.0
42.5°	635.4
45°	629.2
47.5°	615.4
50°	592.3
52.5°	566.2
55°	538.5
57.5°	507.7
60°	472.3
62.5°	432.3
65°	390.8
67.5°	344.6
70°	298.5
72.5°	252.3
75°	209.2
77.5°	164.6
80°	124.6
82.5°	87.7
85°	50.8
87.5°	20.0
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)