

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: P772525

Luminaire Tested: LD6D80BD010-EU6DR7070959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR7070959050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10183.8 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
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

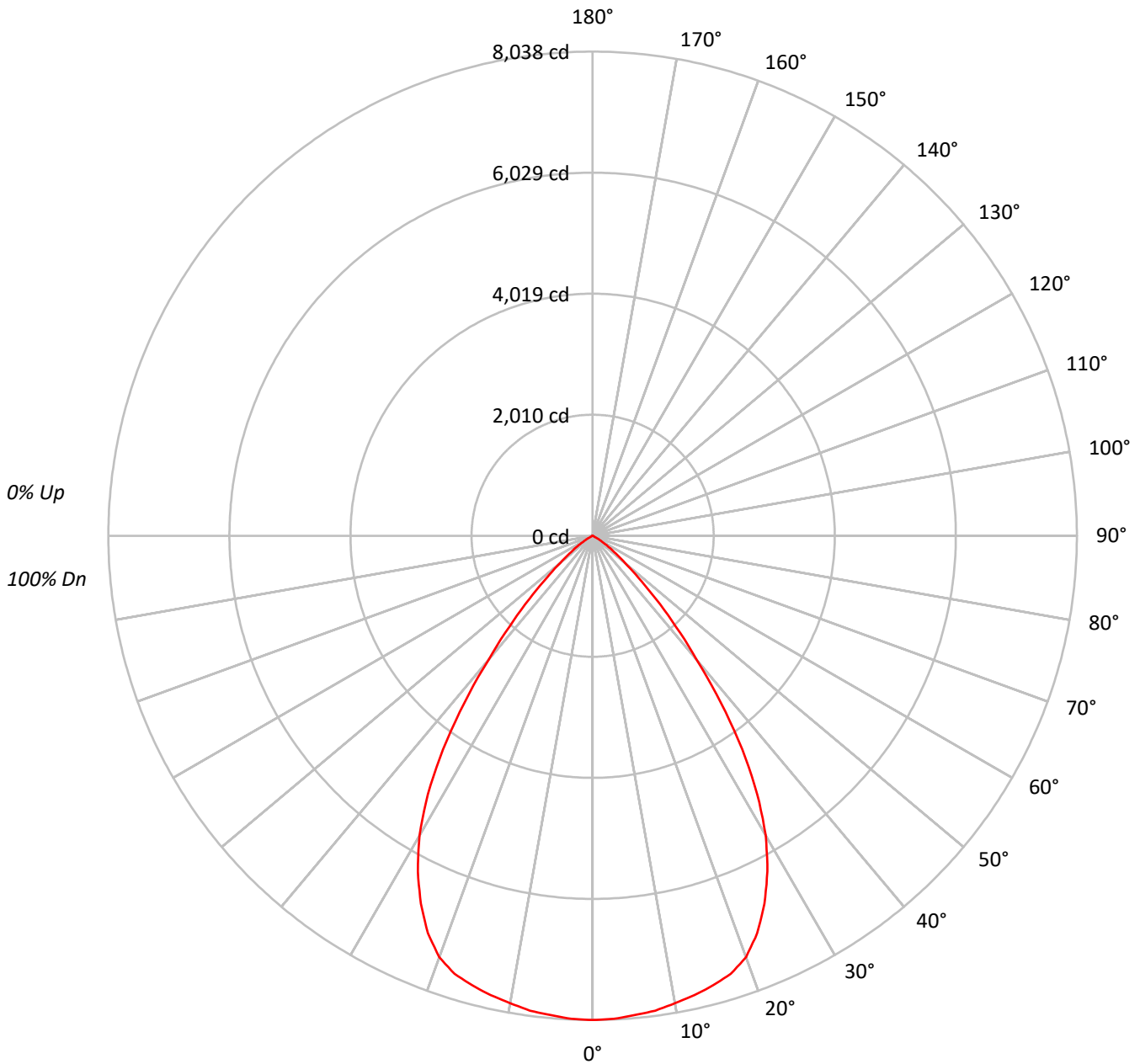


Downlight

TEST NUMBER: P772525

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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				100															
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78				78															
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71				71															
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65				65															
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60				60															
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56				56															
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51															
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48				48															
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44				44															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	878238
5°	876043
10°	874146
15°	873904
20°	865361
25°	812896
30°	724695
35°	577801
40°	383660
45°	229367
50°	118918
55°	62500
60°	22114
65°	362
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 229367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.6	7.5
10°-20°	2178.5	21.4
20°-30°	3073.3	30.2
30°-40°	2653.0	26.1
40°-50°	1188.1	11.7
50°-60°	311.0	3.1
60°-70°	20.2	0.2
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	6011.4	59.0
0°-40°	8664.5	85.1
0°-60°	10163.6	99.8
0°-90°	10183.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10183.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8038	
5°	7987	760
15°	7726	2179
25°	6743	3073
35°	4332	2653
45°	1484	1188
55°	328	311
65°	1	20
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8038.0
2.5°	8029.3
5°	7987.4
7.5°	7952.7
10°	7879.0
12.5°	7812.5
15°	7725.8
17.5°	7626.0
20°	7442.5
22.5°	7140.4
25°	6742.9
27.5°	6281.8
30°	5744.1
32.5°	5086.4
35°	4331.9
37.5°	3499.4
40°	2689.9
42.5°	2043.8
45°	1484.4
47.5°	1023.4
50°	699.6
52.5°	482.8
55°	328.1
57.5°	198.0
60°	101.2
62.5°	31.8
65°	1.4
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)