

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: P774029

Luminaire Tested: LD6D90BD010-EU6DR7070959027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774029
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: LD6D90BD010-EU6DR7070959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6222.7 lumens
Efficiency: N/A
Efficacy: 62.9 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): 98.9
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

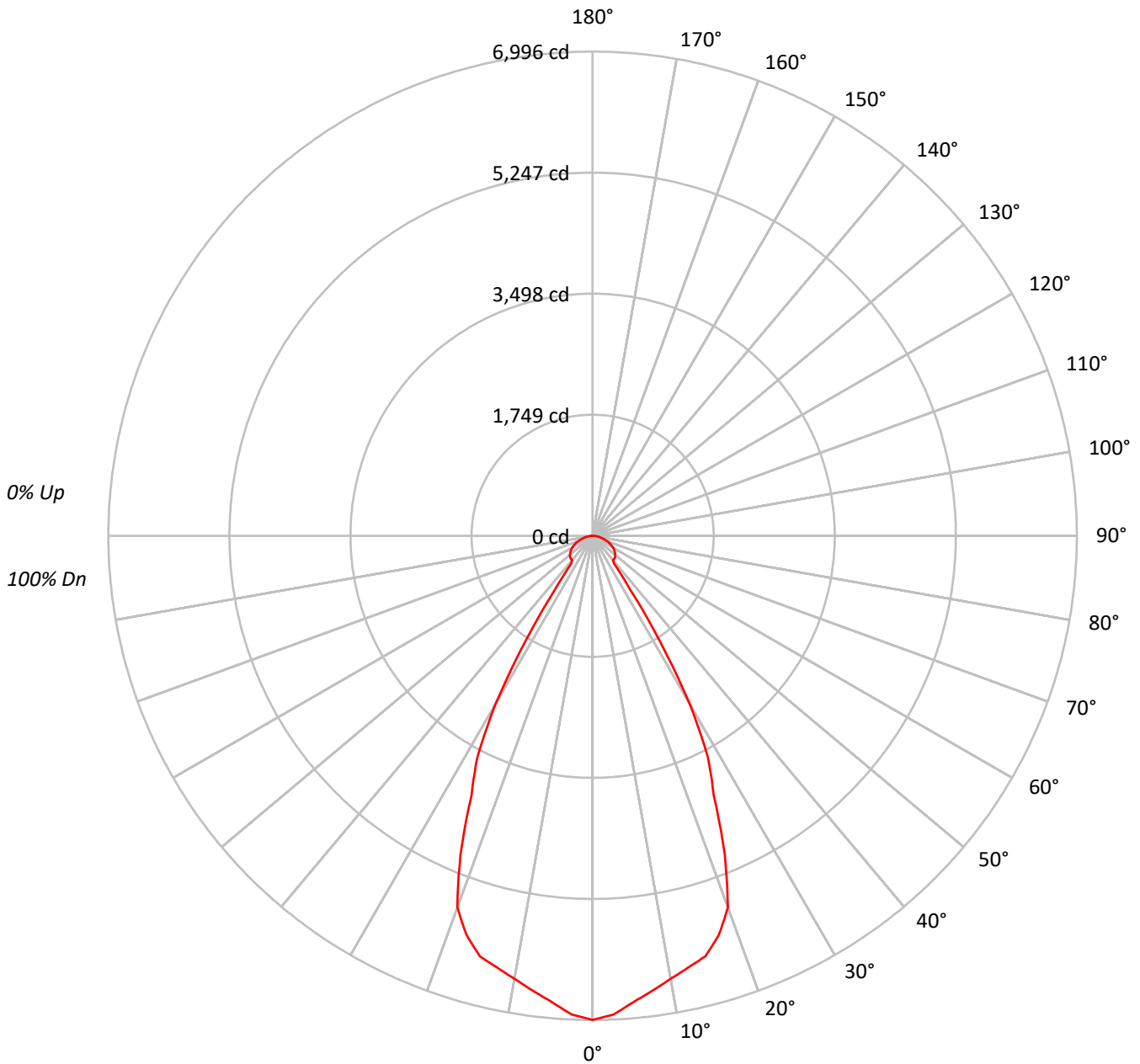


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	764399
5°	741687
10°	721018
15°	711550
20°	664441
25°	499162
30°	352867
35°	124993
40°	65724
45°	69997
50°	72496
55°	73853
60°	74319
65°	72751
70°	68651
75°	63576
80°	56440
85°	45883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 74325 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	637.8	10.3
10°-20°	1749.6	28.1
20°-30°	1926.9	31.0
30°-40°	736.2	11.8
40°-50°	347.6	5.6
50°-60°	345.6	5.6
60°-70°	276.7	4.4
70°-80°	159.0	2.6
80°-90°	43.2	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°	4314.3	69.3
0°-40°	5050.5	81.2
0°-60°	5743.7	92.3
0°-90°	6222.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6222.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6996	
5°	6762	638
15°	6290	1750
25°	4140	1927
35°	937	736
45°	453	348
55°	388	346
65°	281	277
75°	151	159
85°	37	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6996.1
2.5°	6923.0
5°	6762.4
7.5°	6628.4
10°	6498.8
12.5°	6389.1
15°	6290.5
17.5°	6052.4
20°	5714.5
22.5°	4985.7
25°	4140.5
27.5°	3604.4
30°	2796.9
32.5°	1806.6
35°	937.1
37.5°	506.2
40°	460.8
42.5°	457.5
45°	453.0
47.5°	443.1
50°	426.5
52.5°	407.6
55°	387.7
57.5°	365.5
60°	340.1
62.5°	311.3
65°	281.4
67.5°	248.1
70°	214.9
72.5°	181.7
75°	150.6
77.5°	118.5
80°	89.7
82.5°	63.1
85°	36.6
87.5°	14.4
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)