

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: P774055

Luminaire Tested: LD6D90BD010-EU6DR7070959035-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774055
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-EU6DR7070959035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6478.2 lumens
Efficiency: N/A
Efficacy: 65.5 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

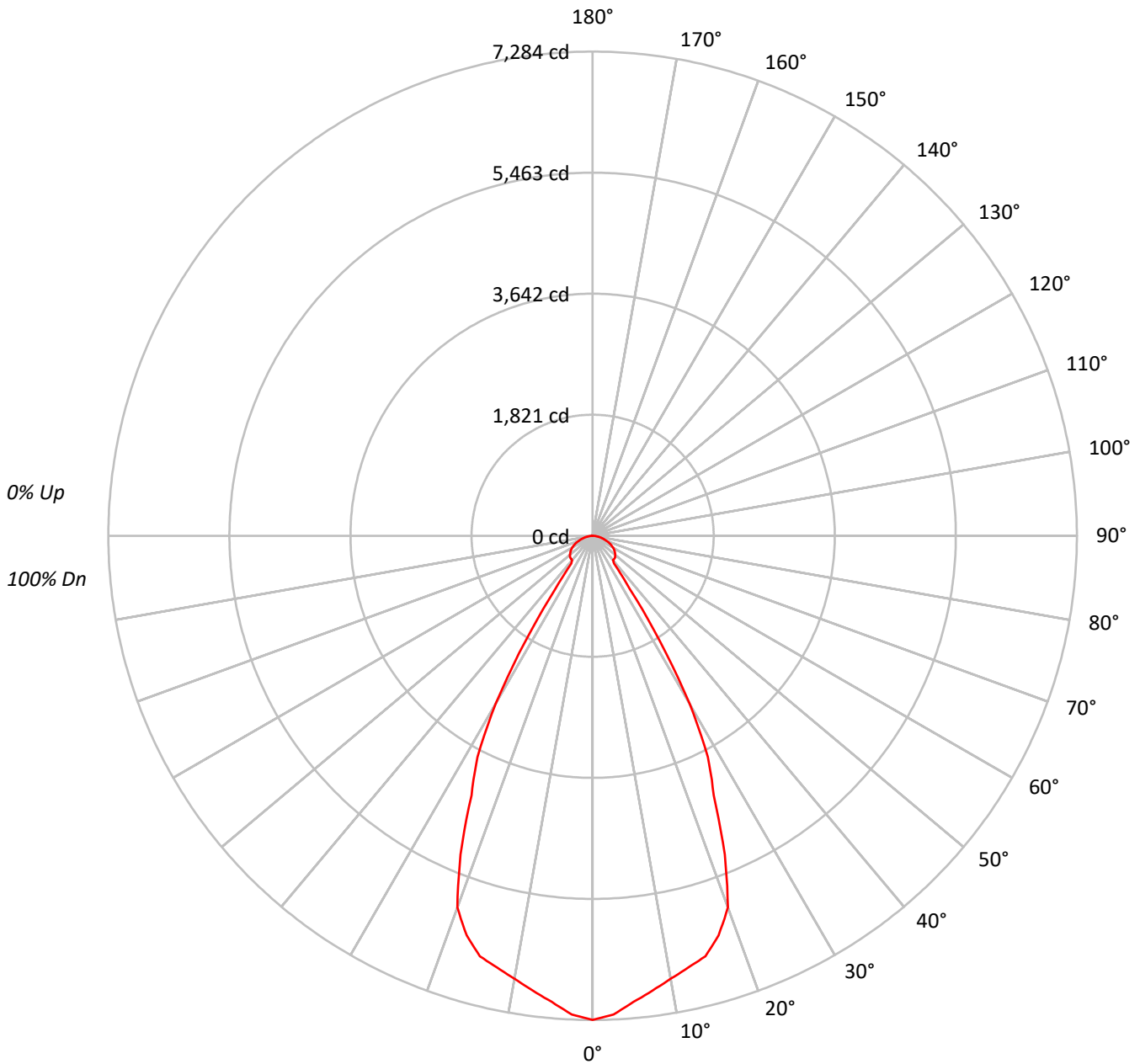
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	795801
5°	772145
10°	750629
15°	740779
20°	691731
25°	519668
30°	367363
35°	130128
40°	68420
45°	72871
50°	75471
55°	76882
60°	77357
65°	75724
70°	71463
75°	66193
80°	58768
85°	47763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 77375 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.0	10.3
10°-20°	1821.4	28.1
20°-30°	2006.0	31.0
30°-40°	766.5	11.8
40°-50°	361.9	5.6
50°-60°	359.8	5.6
60°-70°	288.0	4.4
70°-80°	165.5	2.6
80°-90°	45.0	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°	4491.5	69.3
0°-40°	5258.0	81.2
0°-60°	5979.6	92.3
0°-90°	6478.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6478.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7284	
5°	7040	664
15°	6549	1821
25°	4311	2006
35°	976	766
45°	472	362
55°	404	360
65°	293	288
75°	157	166
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7283.5
2.5°	7207.3
5°	7040.1
7.5°	6900.6
10°	6765.7
12.5°	6651.5
15°	6548.9
17.5°	6301.0
20°	5949.2
22.5°	5190.4
25°	4310.6
27.5°	3752.4
30°	2911.8
32.5°	1880.8
35°	975.6
37.5°	527.0
40°	479.7
42.5°	476.3
45°	471.6
47.5°	461.3
50°	444.0
52.5°	424.4
55°	403.6
57.5°	380.5
60°	354.0
62.5°	324.0
65°	292.9
67.5°	258.3
70°	223.7
72.5°	189.1
75°	156.8
77.5°	123.4
80°	93.4
82.5°	65.7
85°	38.1
87.5°	15.0
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)