

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: P772456

Luminaire Tested: LD6D80BD010-EU6DR7070959024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772456
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: LD6D80BD010-EU6DR7070959024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4864.0 lumens
Efficiency: N/A
Efficacy: 61.6 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

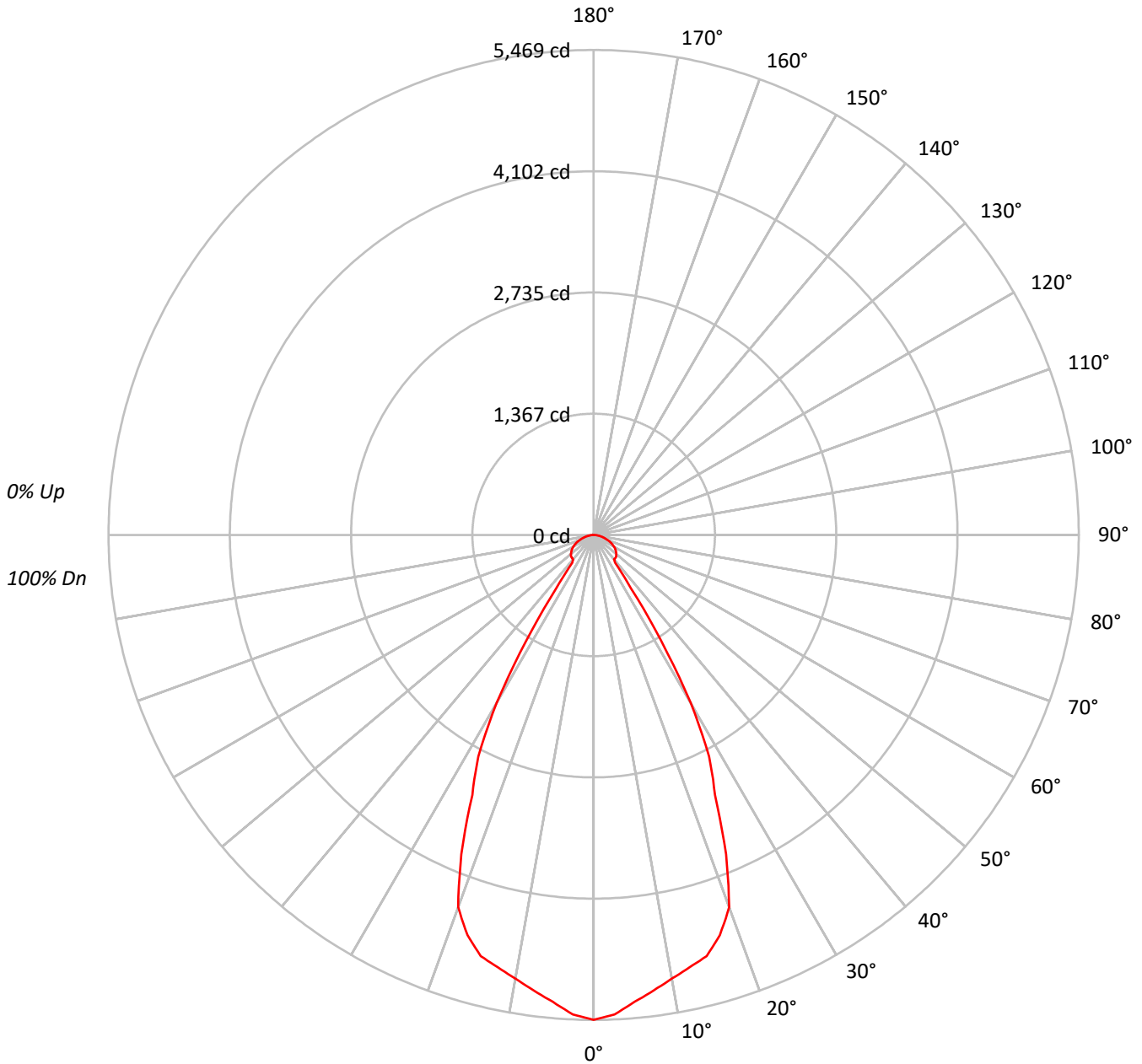
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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
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°	597503
5°	579748
10°	563596
15°	556198
20°	519368
25°	390179
30°	275819
35°	97703
40°	51375
45°	54715
50°	56654
55°	57719
60°	58083
65°	56851
70°	53669
75°	49729
80°	44107
85°	35854

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 58098 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.6	10.3
10°-20°	1367.6	28.1
20°-30°	1506.2	31.0
30°-40°	575.5	11.8
40°-50°	271.7	5.6
50°-60°	270.1	5.6
60°-70°	216.3	4.4
70°-80°	124.3	2.6
80°-90°	33.8	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°	3372.3	69.3
0°-40°	3947.8	81.2
0°-60°	4489.6	92.3
0°-90°	4864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4864.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5469	
5°	5286	499
15°	4917	1368
25°	3236	1506
35°	732	575
45°	354	272
55°	303	270
65°	220	216
75°	118	124
85°	29	34
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5468.6
2.5°	5411.5
5°	5285.9
7.5°	5181.2
10°	5079.9
12.5°	4994.1
15°	4917.1
17.5°	4730.9
20°	4466.8
22.5°	3897.1
25°	3236.5
27.5°	2817.4
30°	2186.2
32.5°	1412.2
35°	732.5
37.5°	395.7
40°	360.2
42.5°	357.6
45°	354.1
47.5°	346.3
50°	333.3
52.5°	318.6
55°	303.0
57.5°	285.7
60°	265.8
62.5°	243.3
65°	219.9
67.5°	193.9
70°	168.0
72.5°	142.0
75°	117.8
77.5°	92.6
80°	70.1
82.5°	49.4
85°	28.6
87.5°	11.3
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)