

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: P772472

Luminaire Tested: LD6D80BD010-EU6DR7070959027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772472
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-EU6DR7070959027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7397.0 lumens
Efficiency: N/A
Efficacy: 93.8 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

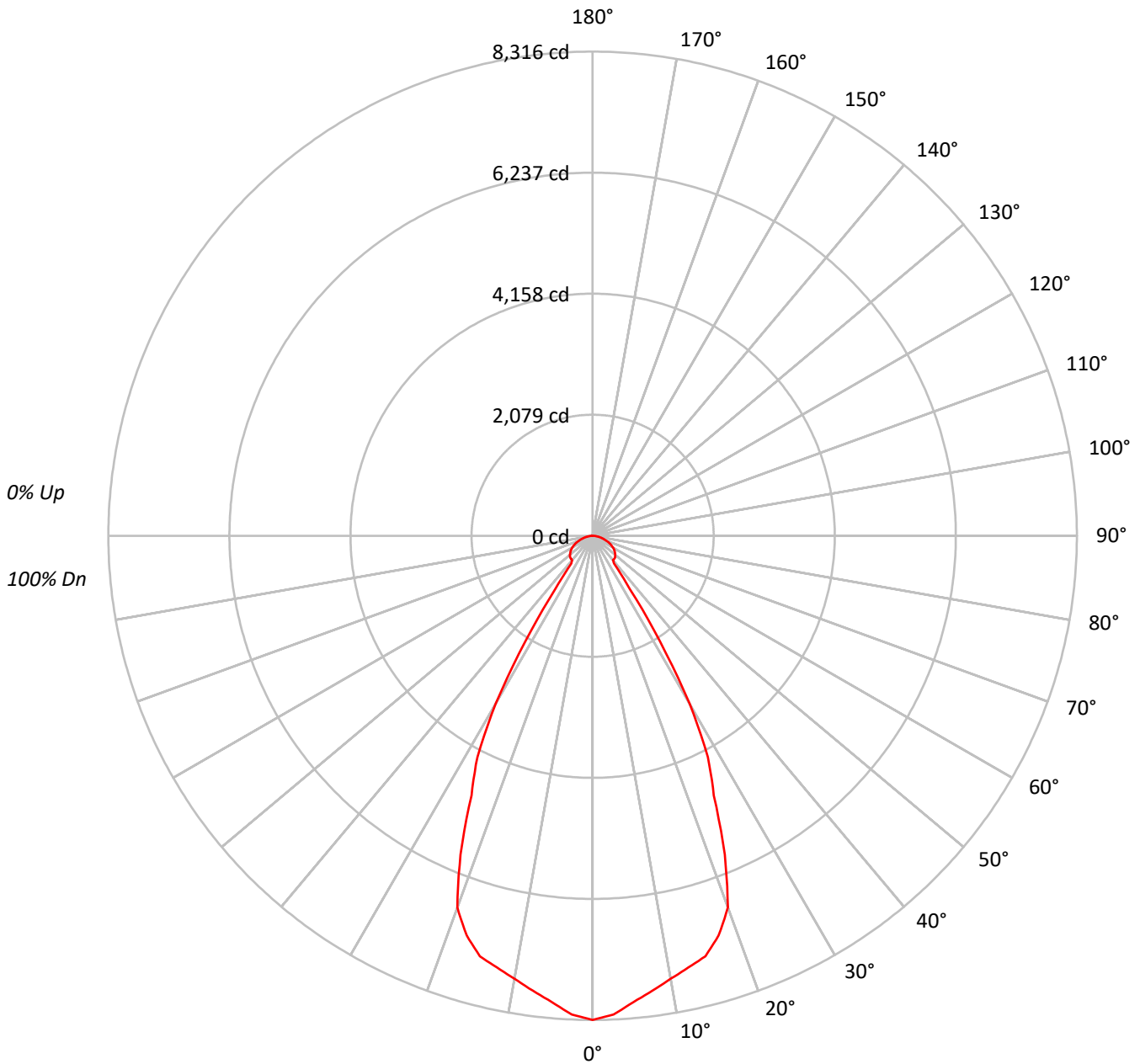
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	908656
5°	881658
10°	857082
15°	845840
20°	789842
25°	593364
30°	419456
35°	148575
40°	78133
45°	83208
50°	86163
55°	87797
60°	88326
65°	86453
70°	81589
75°	75607
80°	67136
85°	54533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 88356 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	758.2	10.3
10°-20°	2079.7	28.1
20°-30°	2290.6	31.0
30°-40°	875.1	11.8
40°-50°	413.2	5.6
50°-60°	410.8	5.6
60°-70°	328.9	4.4
70°-80°	189.0	2.6
80°-90°	51.4	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°	5128.5	69.3
0°-40°	6003.7	81.2
0°-60°	6827.7	92.3
0°-90°	7397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7397.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8316	
5°	8039	758
15°	7478	2080
25°	4922	2291
35°	1114	875
45°	538	413
55°	461	411
65°	334	329
75°	179	189
85°	44	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8316.4
2.5°	8229.5
5°	8038.6
7.5°	7879.3
10°	7725.2
12.5°	7594.8
15°	7477.7
17.5°	7194.6
20°	6793.0
22.5°	5926.6
25°	4921.9
27.5°	4284.6
30°	3324.7
32.5°	2147.6
35°	1113.9
37.5°	601.7
40°	547.8
42.5°	543.8
45°	538.5
47.5°	526.7
50°	506.9
52.5°	484.6
55°	460.9
57.5°	434.5
60°	404.2
62.5°	370.0
65°	334.4
67.5°	294.9
70°	255.4
72.5°	215.9
75°	179.1
77.5°	140.9
80°	106.7
82.5°	75.1
85°	43.5
87.5°	17.1
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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