

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: P772511

Luminaire Tested: LD6D80BD010-EU6DR7070959040-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772511
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-EU6DR7070959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8060.9 lumens
Efficiency: N/A
Efficacy: 102.2 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

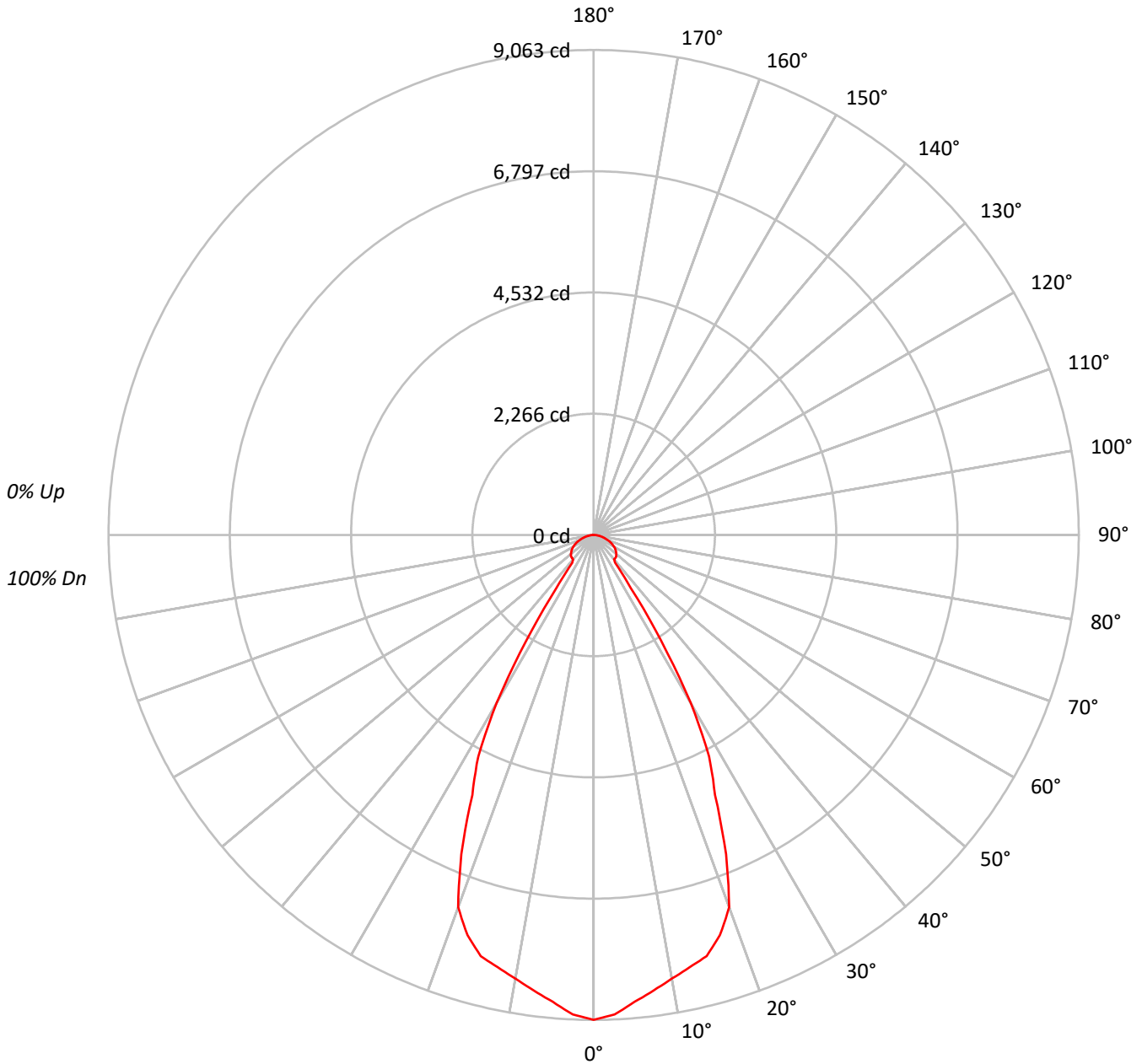
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	990197
5°	960780
10°	934001
15°	921741
20°	860722
25°	646614
30°	457103
35°	161913
40°	85136
45°	90687
50°	93897
55°	95664
60°	96259
65°	94235
70°	88937
75°	82362
80°	73114
85°	59422

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 96287 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.3	10.3
10°-20°	2266.4	28.1
20°-30°	2496.1	31.0
30°-40°	953.7	11.8
40°-50°	450.3	5.6
50°-60°	447.7	5.6
60°-70°	358.4	4.4
70°-80°	206.0	2.6
80°-90°	56.0	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°	5588.7	69.3
0°-40°	6542.4	81.2
0°-60°	7440.4	92.3
0°-90°	8060.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8060.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9063	
5°	8760	826
15°	8149	2266
25°	5364	2496
35°	1214	954
45°	587	450
55°	502	448
65°	364	358
75°	195	206
85°	47	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9062.7
2.5°	8968.0
5°	8760.0
7.5°	8586.4
10°	8418.5
12.5°	8276.4
15°	8148.7
17.5°	7840.2
20°	7402.6
22.5°	6458.4
25°	5363.6
27.5°	4669.1
30°	3623.1
32.5°	2340.3
35°	1213.9
37.5°	655.7
40°	596.9
42.5°	592.6
45°	586.9
47.5°	574.0
50°	552.4
52.5°	528.0
55°	502.2
57.5°	473.5
60°	440.5
62.5°	403.2
65°	364.5
67.5°	321.4
70°	278.4
72.5°	235.3
75°	195.1
77.5°	153.5
80°	116.2
82.5°	81.8
85°	47.4
87.5°	18.7
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)