

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: P753634

Luminaire Tested: LD4D75BD010-EU4DR7070959027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753634
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: LD4D75BD010-EU4DR7070959027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

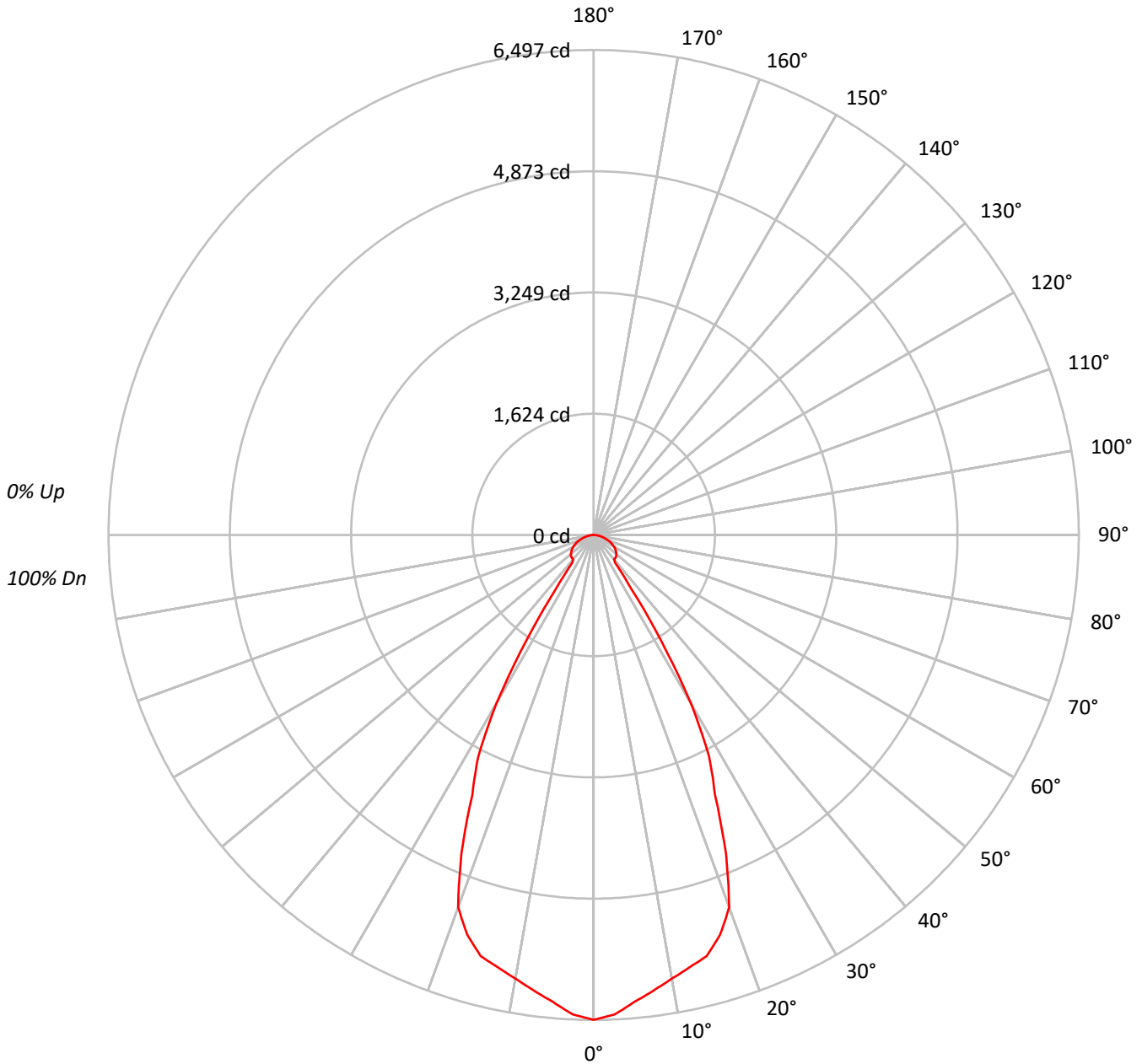
Lumens per Lamp: N/A
Luminaire Lumens: 5778.7 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): 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



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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°	709856
5°	688768
10°	669572
15°	660784
20°	617037
25°	463550
30°	327684
35°	116070
40°	61031
45°	65006
50°	67312
55°	68577
60°	69009
65°	67555
70°	63764
75°	59059
80°	52413
85°	42498

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 69038 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.3	10.3
10°-20°	1624.7	28.1
20°-30°	1789.4	31.0
30°-40°	683.7	11.8
40°-50°	322.8	5.6
50°-60°	320.9	5.6
60°-70°	256.9	4.4
70°-80°	147.7	2.6
80°-90°	40.1	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°	4006.5	69.3
0°-40°	4690.1	81.2
0°-60°	5333.9	92.3
0°-90°	5778.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5778.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6497	
5°	6280	592
15°	5842	1625
25°	3845	1789
35°	870	684
45°	421	323
55°	360	321
65°	261	257
75°	140	148
85°	34	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6496.9
2.5°	6429.0
5°	6279.9
7.5°	6155.4
10°	6035.1
12.5°	5933.2
15°	5841.7
17.5°	5620.5
20°	5306.8
22.5°	4629.9
25°	3845.1
27.5°	3347.2
30°	2597.3
32.5°	1677.7
35°	870.2
37.5°	470.1
40°	427.9
42.5°	424.8
45°	420.7
47.5°	411.5
50°	396.0
52.5°	378.5
55°	360.0
57.5°	339.5
60°	315.8
62.5°	289.0
65°	261.3
67.5°	230.4
70°	199.6
72.5°	168.7
75°	139.9
77.5°	110.1
80°	83.3
82.5°	58.6
85°	33.9
87.5°	13.4
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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