

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: P753465

Luminaire Tested: LD4D75BD010-EU4DR6070959024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6070959024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

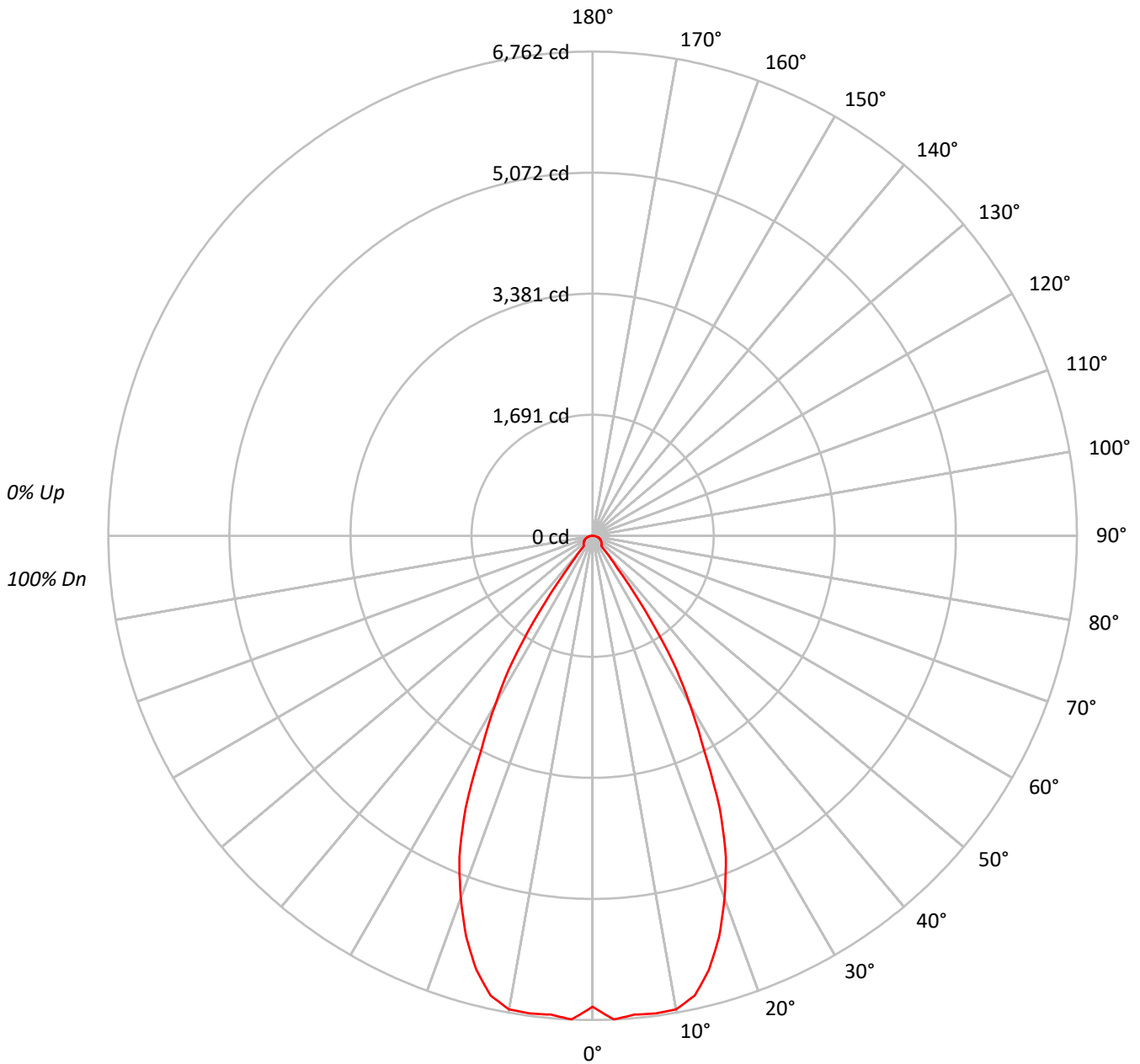
Lumens per Lamp: N/A
Luminaire Lumens: 5537.7 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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				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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	718575
5°	736247
10°	745137
15°	709842
20°	625862
25°	506214
30°	342408
35°	171584
40°	27827
45°	27242
50°	27792
55°	28212
60°	28998
65°	29654
70°	30348
75°	30733
80°	29636
85°	24696

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 30733 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.6	11.6
10°-20°	1735.8	31.3
20°-30°	1867.6	33.7
30°-40°	811.8	14.7
40°-50°	136.3	2.5
50°-60°	132.6	2.4
60°-70°	113.4	2.0
70°-80°	75.9	1.4
80°-90°	22.7	0.4
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°	4245.0	76.7
0°-40°	5056.8	91.3
0°-60°	5325.7	96.2
0°-90°	5537.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5537.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6577	
5°	6713	642
15°	6275	1736
25°	4199	1868
35°	1286	812
45°	176	136
55°	148	133
65°	115	113
75°	73	76
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6576.7
2.5°	6761.6
5°	6712.8
7.5°	6728.2
10°	6716.2
12.5°	6577.5
15°	6275.4
17.5°	5869.7
20°	5382.7
22.5°	4861.5
25°	4199.0
27.5°	3358.5
30°	2714.0
32.5°	2091.8
35°	1286.4
37.5°	550.3
40°	195.1
42.5°	179.7
45°	176.3
47.5°	170.3
50°	163.5
52.5°	155.8
55°	148.1
57.5°	140.4
60°	132.7
62.5°	124.1
65°	114.7
67.5°	105.3
70°	95.0
72.5°	83.9
75°	72.8
77.5°	59.9
80°	47.1
82.5°	33.4
85°	19.7
87.5°	6.8
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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