

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: P752711

Luminaire Tested: LD4D70BD010-EU4DR6070959030-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752711
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: LD4D70BD010-EU4DR6070959030-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

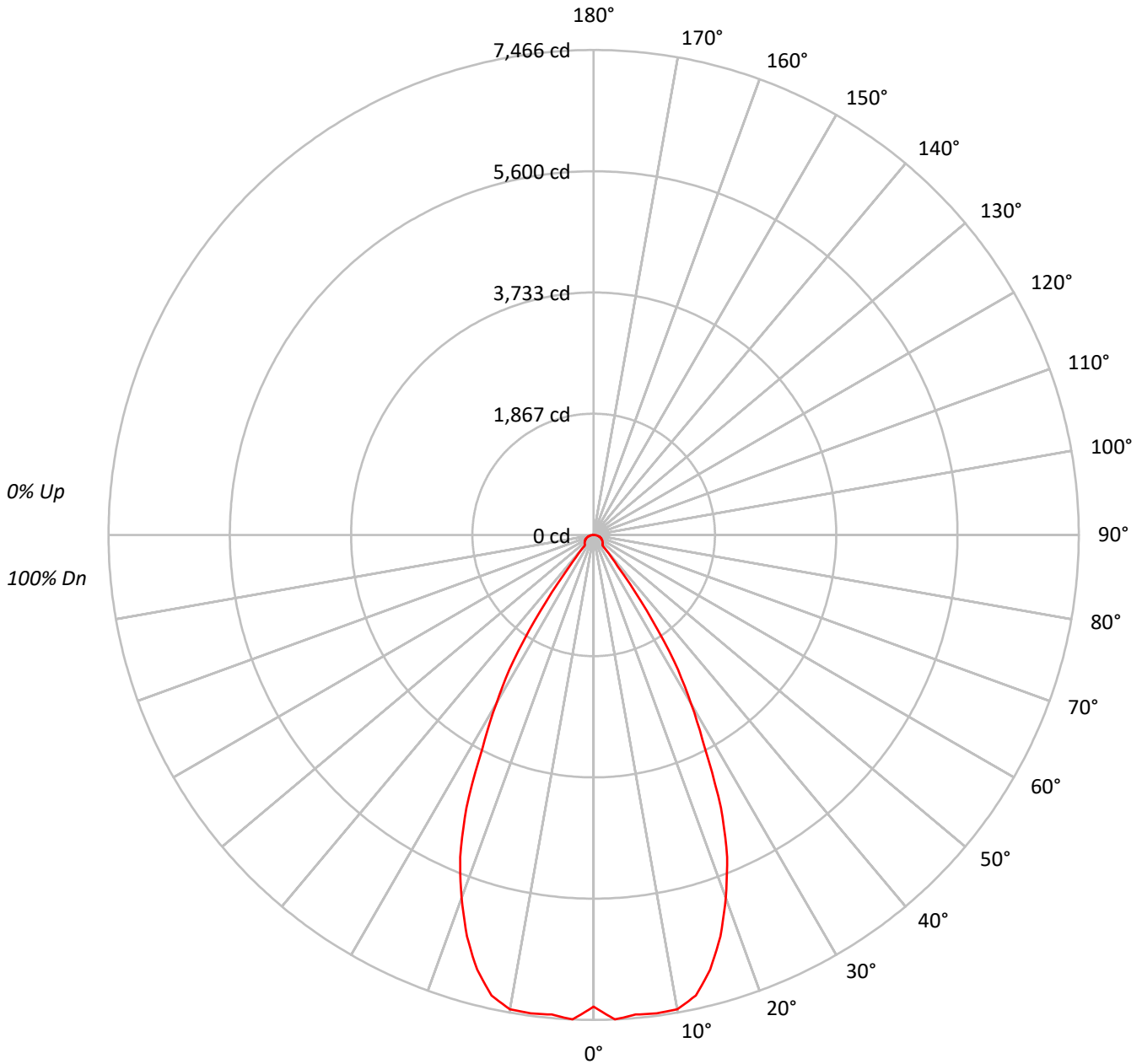
Lumens per Lamp: N/A
Luminaire Lumens: 6114.5 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	793419
5°	812923
10°	822744
15°	783774
20°	691045
25°	558933
30°	378074
35°	189457
40°	30737
45°	30085
50°	30681
55°	31145
60°	32013
65°	32730
70°	33511
75°	33899
80°	32719
85°	27204

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 33899 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.4	11.6
10°-20°	1916.6	31.3
20°-30°	2062.1	33.7
30°-40°	896.4	14.7
40°-50°	150.6	2.5
50°-60°	146.4	2.4
60°-70°	125.2	2.0
70°-80°	83.8	1.4
80°-90°	25.1	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°	4687.1	76.7
0°-40°	5583.5	91.3
0°-60°	5880.4	96.2
0°-90°	6114.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6114.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7262	
5°	7412	708
15°	6929	1917
25°	4636	2062
35°	1420	896
45°	195	151
55°	164	146
65°	127	125
75°	80	84
85°	22	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7261.7
2.5°	7465.8
5°	7411.9
7.5°	7428.9
10°	7415.7
12.5°	7262.6
15°	6929.0
17.5°	6481.1
20°	5943.3
22.5°	5367.8
25°	4636.3
27.5°	3708.3
30°	2996.7
32.5°	2309.7
35°	1420.4
37.5°	607.7
40°	215.5
42.5°	198.5
45°	194.7
47.5°	188.1
50°	180.5
52.5°	172.0
55°	163.5
57.5°	155.0
60°	146.5
62.5°	137.0
65°	126.6
67.5°	116.2
70°	104.9
72.5°	92.6
75°	80.3
77.5°	66.2
80°	52.0
82.5°	36.9
85°	21.7
87.5°	7.6
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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