

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: P751189

Luminaire Tested: LD4D60D010-EU4DR6055659050-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751189
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: LD4D60D010-EU4DR6055659050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5129.4 lumens
Efficiency: N/A
Efficacy: 79.6 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

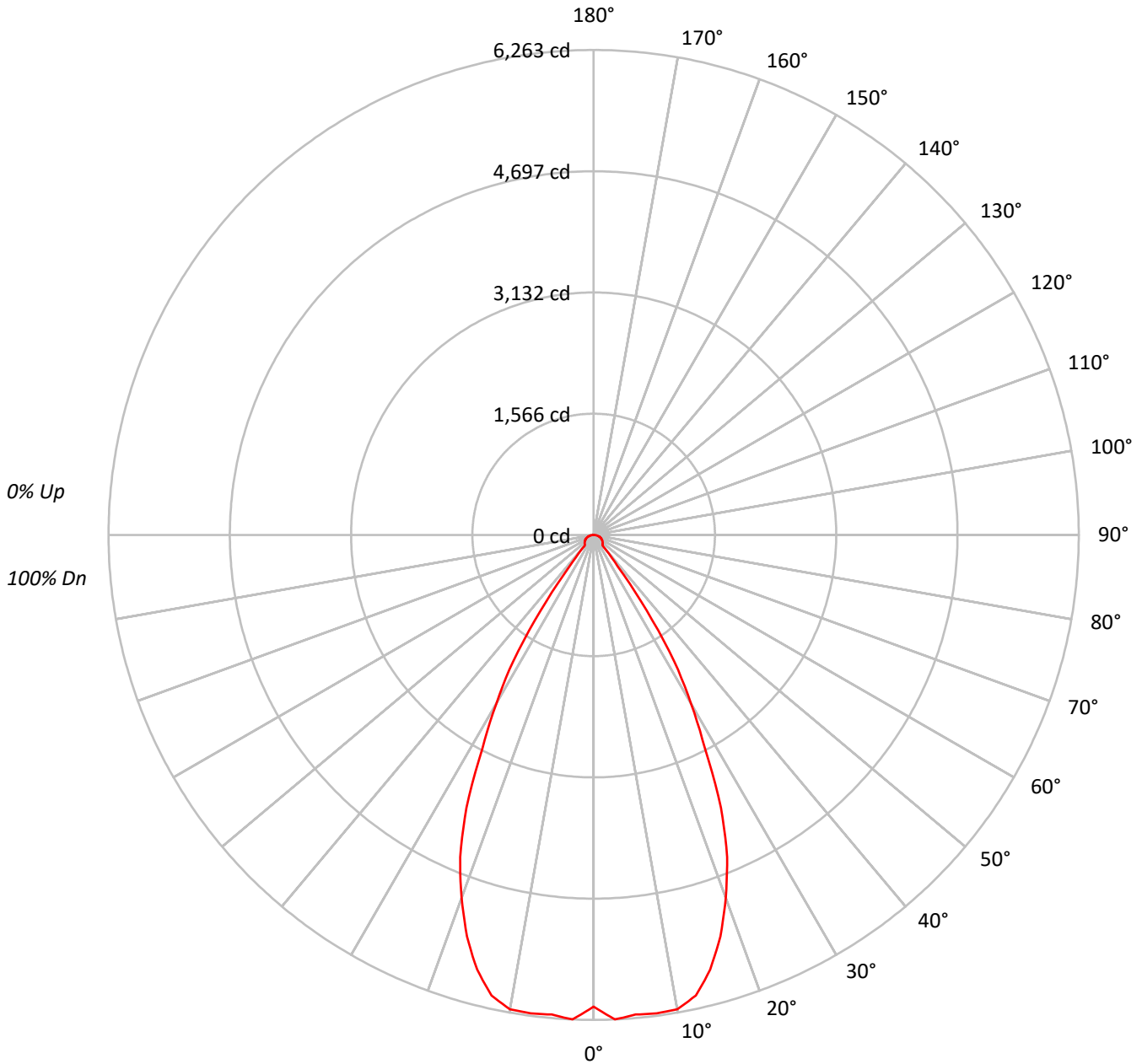
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P751189

CATALOG NUMBER: LD4D60D010-EU4DR6055659050-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P751189

CATALOG NUMBER: LD4D60D010-EU4DR6055659050-4LBSQW1B

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°	665584
5°	681957
10°	690197
15°	657504
20°	579713
25°	468890
30°	317162
35°	158939
40°	25787
45°	25233
50°	25735
55°	26135
60°	26856
65°	27456
70°	28112
75°	28453
80°	27433
85°	22816

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 28453 cd/sqm



TEST NUMBER: P751189

CATALOG NUMBER: LD4D60D010-EU4DR6055659050-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	594.3	11.6
10°-20°	1607.8	31.3
20°-30°	1729.9	33.7
30°-40°	752.0	14.7
40°-50°	126.3	2.5
50°-60°	122.8	2.4
60°-70°	105.0	2.0
70°-80°	70.3	1.4
80°-90°	21.0	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°	3932.0	76.7
0°-40°	4683.9	91.3
0°-60°	4933.1	96.2
0°-90°	5129.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5129.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6092	
5°	6218	594
15°	5813	1608
25°	3889	1730
35°	1192	752
45°	163	126
55°	137	123
65°	106	105
75°	67	70
85°	18	21
90°	0	



TEST NUMBER: P751189

CATALOG NUMBER: LD4D60D010-EU4DR6055659050-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	6091.7
2.5°	6263.0
5°	6217.8
7.5°	6232.1
10°	6221.0
12.5°	6092.5
15°	5812.7
17.5°	5436.9
20°	4985.8
22.5°	4503.0
25°	3889.4
27.5°	3110.9
30°	2513.9
32.5°	1937.6
35°	1191.6
37.5°	509.8
40°	180.8
42.5°	166.5
45°	163.3
47.5°	157.8
50°	151.4
52.5°	144.3
55°	137.2
57.5°	130.0
60°	122.9
62.5°	115.0
65°	106.2
67.5°	97.5
70°	88.0
72.5°	77.7
75°	67.4
77.5°	55.5
80°	43.6
82.5°	30.9
85°	18.2
87.5°	6.3
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)