

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



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: P744624

Luminaire Tested: LD4D20D010-EU4DR6020359040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744624
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: LD4D20D010-EU4DR6020359040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1600.8 lumens
Efficiency: N/A
Efficacy: 69.3 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): 23.1
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



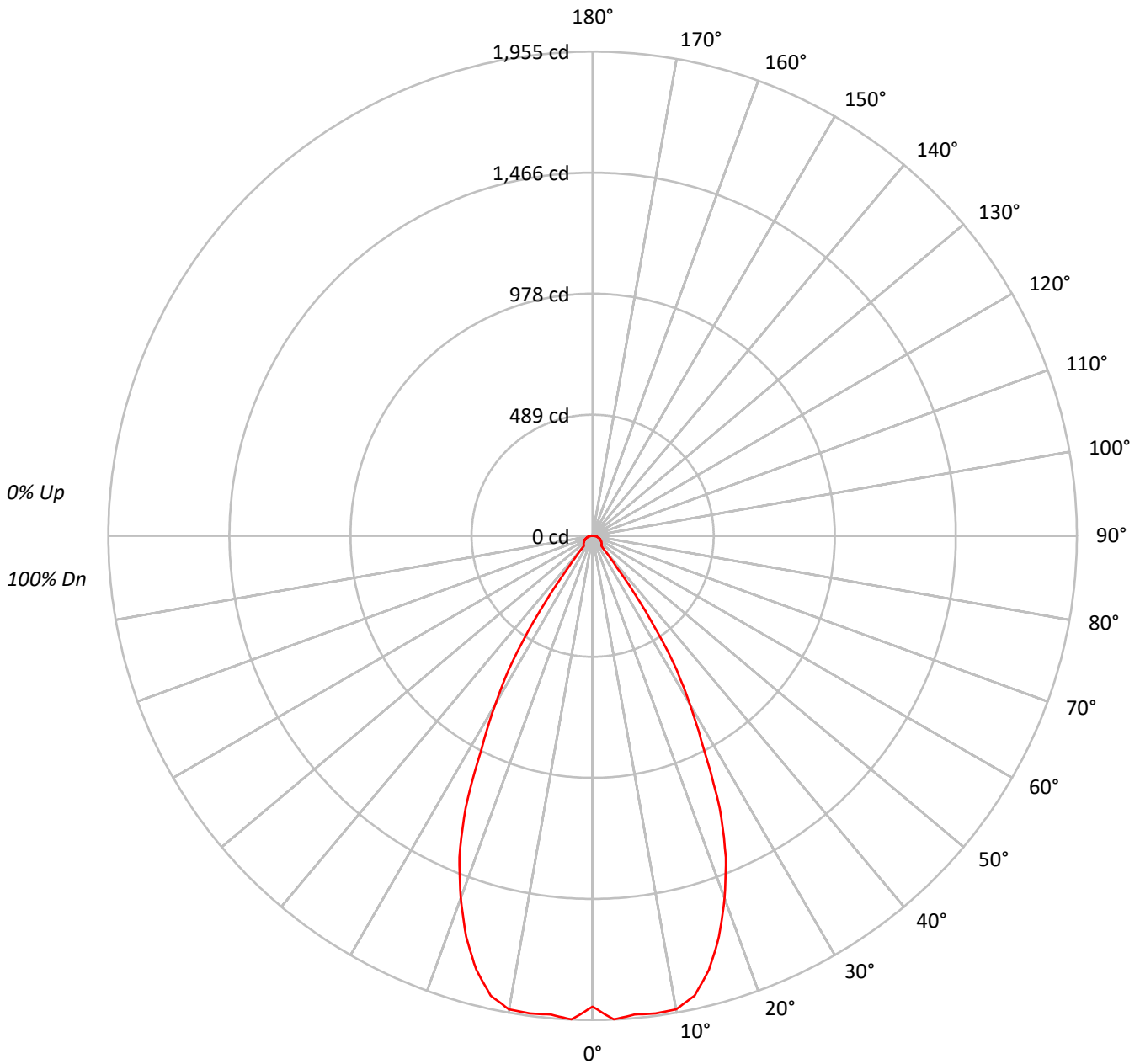
Downlight



TEST NUMBER: P744624

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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°	207727
5°	212830
10°	215402
15°	205202
20°	180921
25°	146343
30°	98988
35°	49605
40°	8044
45°	7880
50°	8040
55°	8153
60°	8369
65°	8583
70°	8753
75°	8865
80°	8557
85°	7146

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.5	11.6
10°-20°	501.8	31.3
20°-30°	539.9	33.7
30°-40°	234.7	14.7
40°-50°	39.4	2.5
50°-60°	38.3	2.4
60°-70°	32.8	2.0
70°-80°	21.9	1.4
80°-90°	6.6	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°	1227.1	76.7
0°-40°	1461.8	91.3
0°-60°	1539.6	96.2
0°-90°	1600.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1600.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1901	
5°	1940	185
15°	1814	502
25°	1214	540
35°	372	235
45°	51	39
55°	43	38
65°	33	33
75°	21	22
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1901.2
2.5°	1954.6
5°	1940.5
7.5°	1945.0
10°	1941.5
12.5°	1901.5
15°	1814.1
17.5°	1696.8
20°	1556.0
22.5°	1405.3
25°	1213.9
27.5°	970.9
30°	784.6
32.5°	604.7
35°	371.9
37.5°	159.1
40°	56.4
42.5°	52.0
45°	51.0
47.5°	49.2
50°	47.3
52.5°	45.0
55°	42.8
57.5°	40.6
60°	38.3
62.5°	35.9
65°	33.2
67.5°	30.4
70°	27.4
72.5°	24.2
75°	21.0
77.5°	17.3
80°	13.6
82.5°	9.6
85°	5.7
87.5°	2.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)