

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839905

Luminaire Tested: **LDS4C30D010 EU4309027 4LBSWMH**

Issue Date: 8/24/2022



Test Information

Test Method: LM-79-08
Report Number: P839905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C30D010 EU4309027 4LBSWMH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

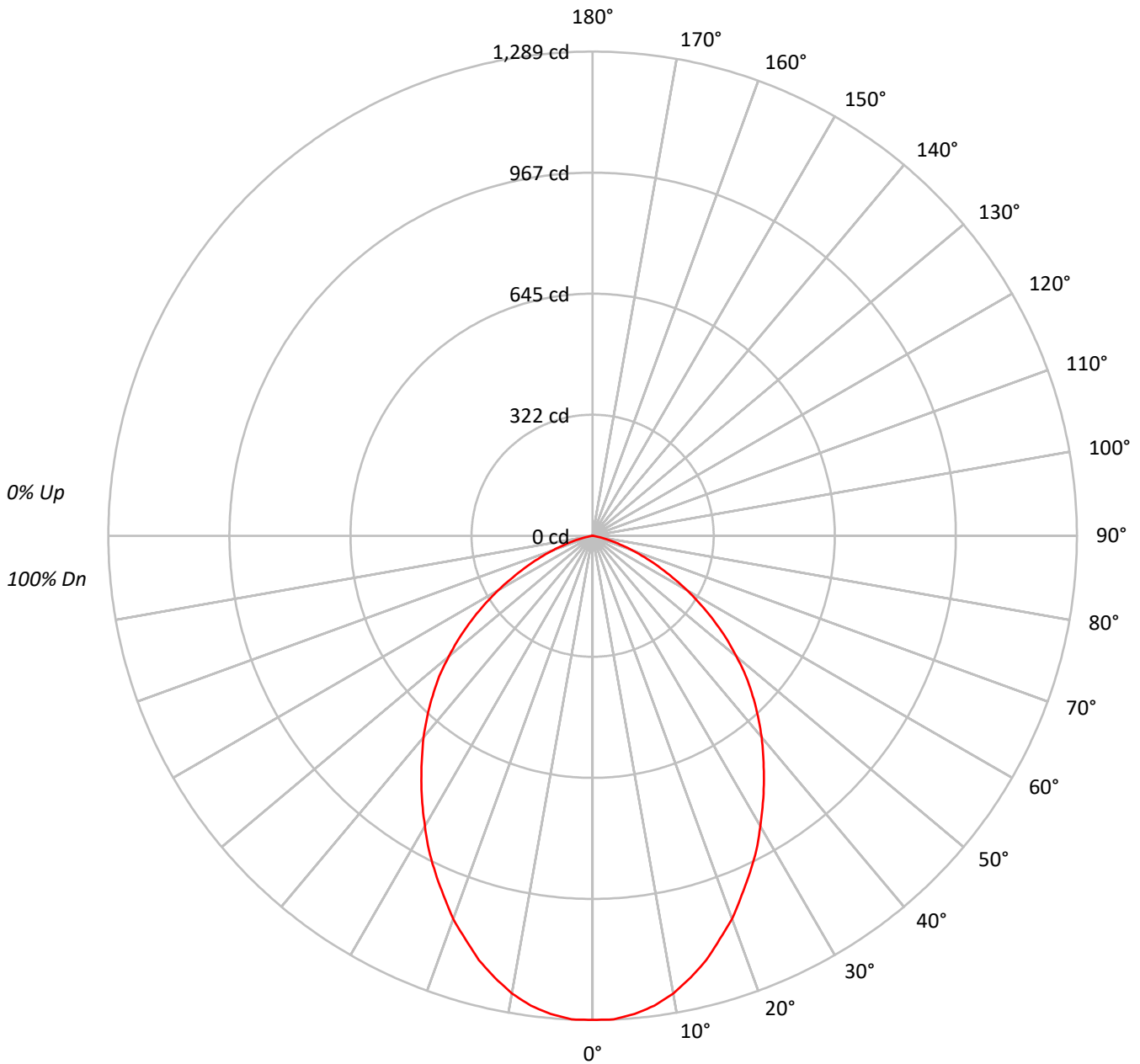
Lumens per Lamp: N/A
Luminaire Lumens: 2464.0 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
Input Voltage (V):
Input Current (A_{in}): 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: 25 FT

TEST NUMBER: P839905

CATALOG NUMBER: LDS4C30D010 EU4309027 4LBSWMH

Luminous Intensity Polar Plot





TEST NUMBER: P839905

CATALOG NUMBER: LDS4C30D010 EU4309027 4LBSWMH

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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158321
5°	157582
10°	154327
15°	148720
20°	141877
25°	134225
30°	126623
35°	119216
40°	112246
45°	104644
50°	95410
55°	84262
60°	71329
65°	55988
70°	39979
75°	21882
80°	3891
85°	0



TEST NUMBER: P839905

CATALOG NUMBER: LDS4C30D010 EU4309027 4LBSWMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	4.9
10°-20°	328.1	13.3
20°-30°	455.6	18.5
30°-40°	497.2	20.2
40°-50°	463.8	18.8
50°-60°	352.0	14.3
60°-70°	192.8	7.8
70°-80°	53.1	2.2
80°-90°	0.7	0.0
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°	904.4	36.7
0°-40°	1401.6	56.9
0°-60°	2217.4	90.0
0°-90°	2464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2464.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1289	
5°	1278	121
15°	1169	328
25°	990	456
35°	795	497
45°	602	464
55°	393	352
65°	193	193
75°	46	53
85°	0	1
90°	0	



TEST NUMBER: P839905

CATALOG NUMBER: LDS4C30D010 EU4309027 4LBSWMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1288.7
2.5°	1288.7
5°	1277.8
7.5°	1261.6
10°	1237.1
12.5°	1204.6
15°	1169.3
17.5°	1125.9
20°	1085.2
22.5°	1036.4
25°	990.2
27.5°	944.1
30°	892.6
32.5°	843.7
35°	794.9
37.5°	746.1
40°	699.9
42.5°	651.1
45°	602.3
47.5°	553.4
50°	499.2
52.5°	447.6
55°	393.4
57.5°	341.8
60°	290.3
62.5°	238.8
65°	192.6
67.5°	149.2
70°	111.3
72.5°	76.0
75°	46.1
77.5°	21.7
80°	5.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)