

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: P839902

Luminaire Tested: **LDS4C30D010 EU4309027 4LBSH**

Issue Date: 8/24/2022

Test Information

Test Method: LM-79-08
Report Number: P839902
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 4LBSH
Description: 4 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

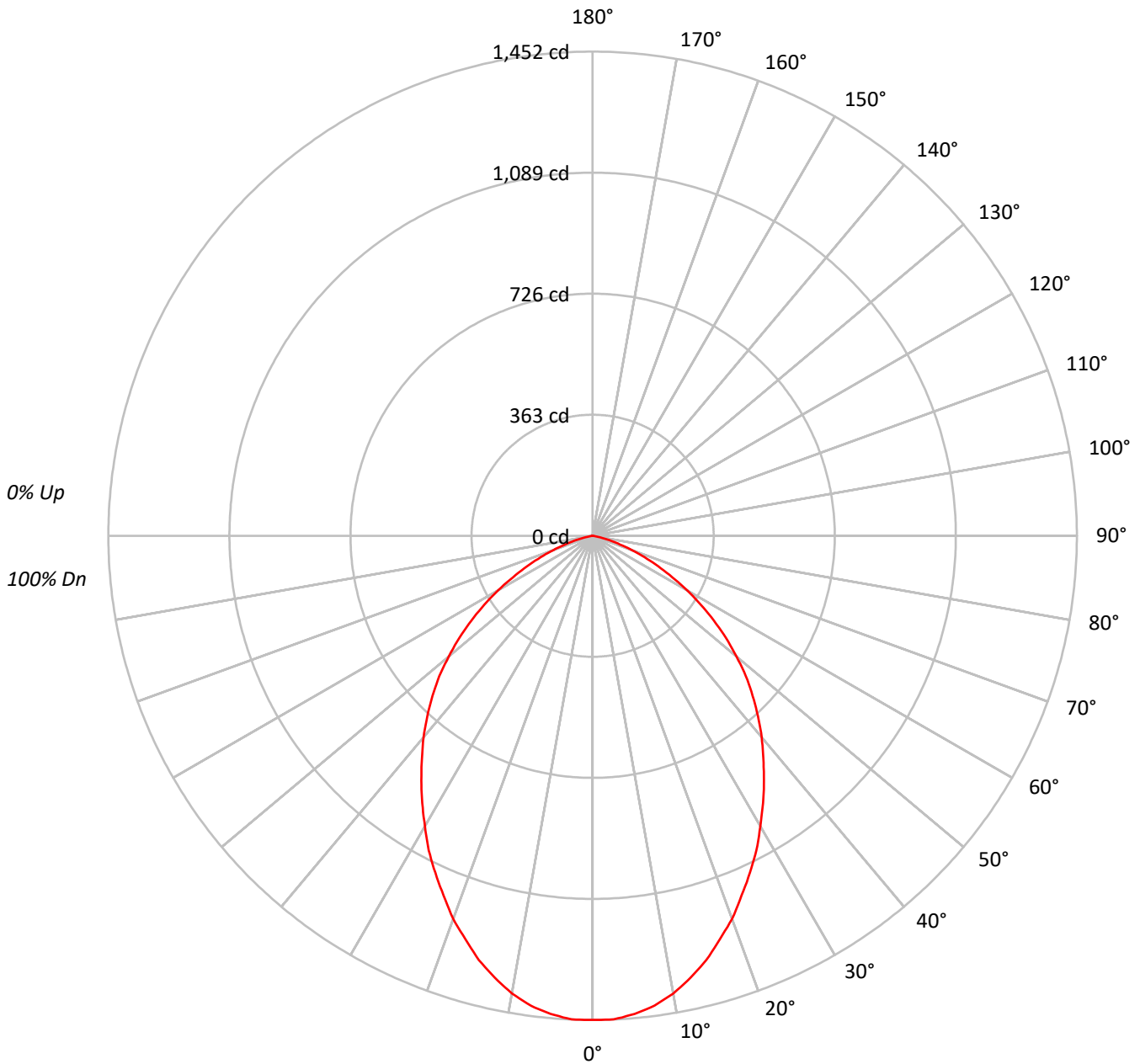
Lumens per Lamp: N/A
Luminaire Lumens: 2776.0 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P839902

CATALOG NUMBER: LDS4C30D010 EU4309027 4LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P839902

CATALOG NUMBER: LDS4C30D010 EU4309027 4LBSH

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°	178359
5°	177535
10°	173875
15°	167557
20°	159840
25°	151224
30°	142653
35°	134304
40°	126471
45°	117883
50°	107489
55°	94928
60°	80346
65°	63081
70°	45044
75°	24683
80°	4316
85°	0



TEST NUMBER: P839902

CATALOG NUMBER: LDS4C30D010 EU4309027 4LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	4.9
10°-20°	369.6	13.3
20°-30°	513.3	18.5
30°-40°	560.1	20.2
40°-50°	522.5	18.8
50°-60°	396.6	14.3
60°-70°	217.2	7.8
70°-80°	59.8	2.2
80°-90°	0.8	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°	1018.9	36.7
0°-40°	1579.1	56.9
0°-60°	2498.2	90.0
0°-90°	2776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2776.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1452	
5°	1440	136
15°	1317	370
25°	1116	513
35°	896	560
45°	678	523
55°	443	397
65°	217	217
75°	52	60
85°	0	1
90°	0	



TEST NUMBER: P839902

CATALOG NUMBER: LDS4C30D010 EU4309027 4LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1451.8
2.5°	1451.8
5°	1439.6
7.5°	1421.3
10°	1393.8
12.5°	1357.1
15°	1317.4
17.5°	1268.5
20°	1222.6
22.5°	1167.6
25°	1115.6
27.5°	1063.7
30°	1005.6
32.5°	950.6
35°	895.5
37.5°	840.5
40°	788.6
42.5°	733.5
45°	678.5
47.5°	623.5
50°	562.4
52.5°	504.3
55°	443.2
57.5°	385.1
60°	327.0
62.5°	269.0
65°	217.0
67.5°	168.1
70°	125.4
72.5°	85.6
75°	52.0
77.5°	24.4
80°	6.1
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)