

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: P858082

Luminaire Tested: **LD4C40D010 EU4409030 4LBWH**

Issue Date: 2/8/2022



Test Information

Test Method: LM-79-08
Report Number: P858082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P206636)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C40D010 EU4409030 4LBWH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver:

Summary

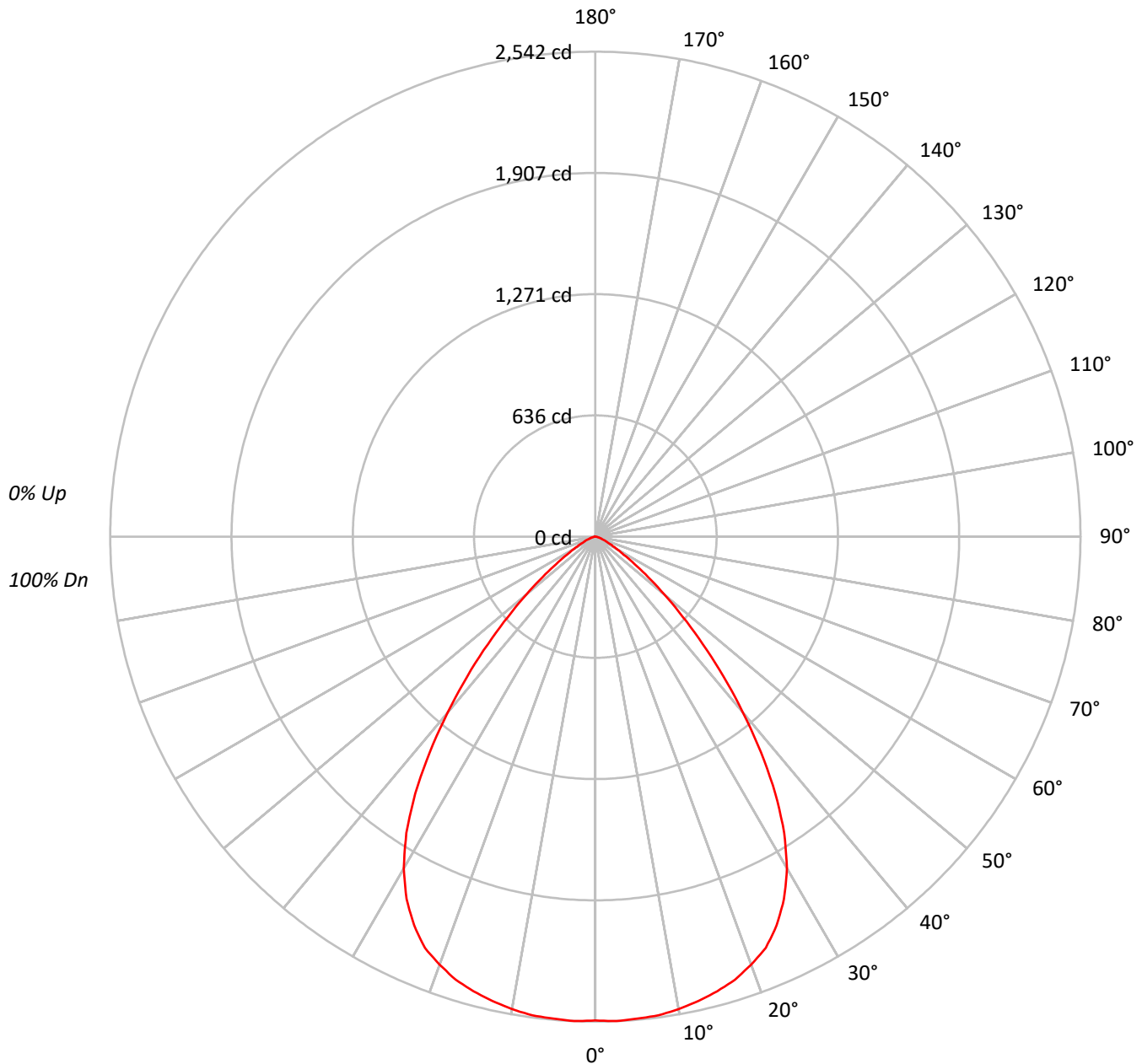
Lumens per Lamp: N/A
Luminaire Lumens: 3935.2 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.13
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 65
Input Voltage (V):
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: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	105	100	95	91	103	98	93	90	95	91	88		91	88	86		89
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	92	83	77	72	90	82	76	71	80	75	70		78	73	70		76
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		65
7	76	65	58	53	75	65	58	53	63	57	53		62	56	52		61
8	72	60	53	49	70	60	53	49	59	53	48		58	52	48		57
9	68	56	49	45	66	56	49	45	55	49	44		54	48	44		53
10	64	52	46	41	63	52	46	41	51	45	41		50	45	41		49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	311606
5°	312796
10°	313743
15°	313758
20°	312058
25°	304739
30°	284839
35°	246651
40°	192657
45°	138246
50°	89810
55°	53740
60°	31475
65°	20203
70°	13434
75°	10158
80°	7570
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.5	6.1
10°-20°	696.0	17.7
20°-30°	1027.1	26.1
30°-40°	1013.5	25.8
40°-50°	620.2	15.8
50°-60°	237.8	6.0
60°-70°	74.3	1.9
70°-80°	21.8	0.6
80°-90°	2.9	0.1
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°	1964.6	49.9
0°-40°	2978.1	75.7
0°-60°	3836.1	97.5
0°-90°	3935.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3935.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2536	
5°	2536	242
15°	2467	696
25°	2248	1027
35°	1645	1014
45°	796	620
55°	251	238
65°	70	74
75°	21	22
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2536.4
2.5°	2541.8
5°	2536.4
7.5°	2531.1
10°	2515.0
12.5°	2493.7
15°	2466.9
17.5°	2434.9
20°	2386.9
22.5°	2333.6
25°	2248.1
27.5°	2141.2
30°	2007.9
32.5°	1842.3
35°	1644.6
37.5°	1425.6
40°	1201.3
42.5°	993.2
45°	795.7
47.5°	619.3
50°	469.9
52.5°	347.2
55°	250.9
57.5°	176.2
60°	128.1
62.5°	96.1
65°	69.5
67.5°	53.5
70°	37.4
72.5°	26.7
75°	21.4
77.5°	10.7
80°	10.7
82.5°	5.4
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)