

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: P858080

Luminaire Tested: **LD4C40D010 EU4409030 4LBSH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P858080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C40D010 EU4409030 4LBSH
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

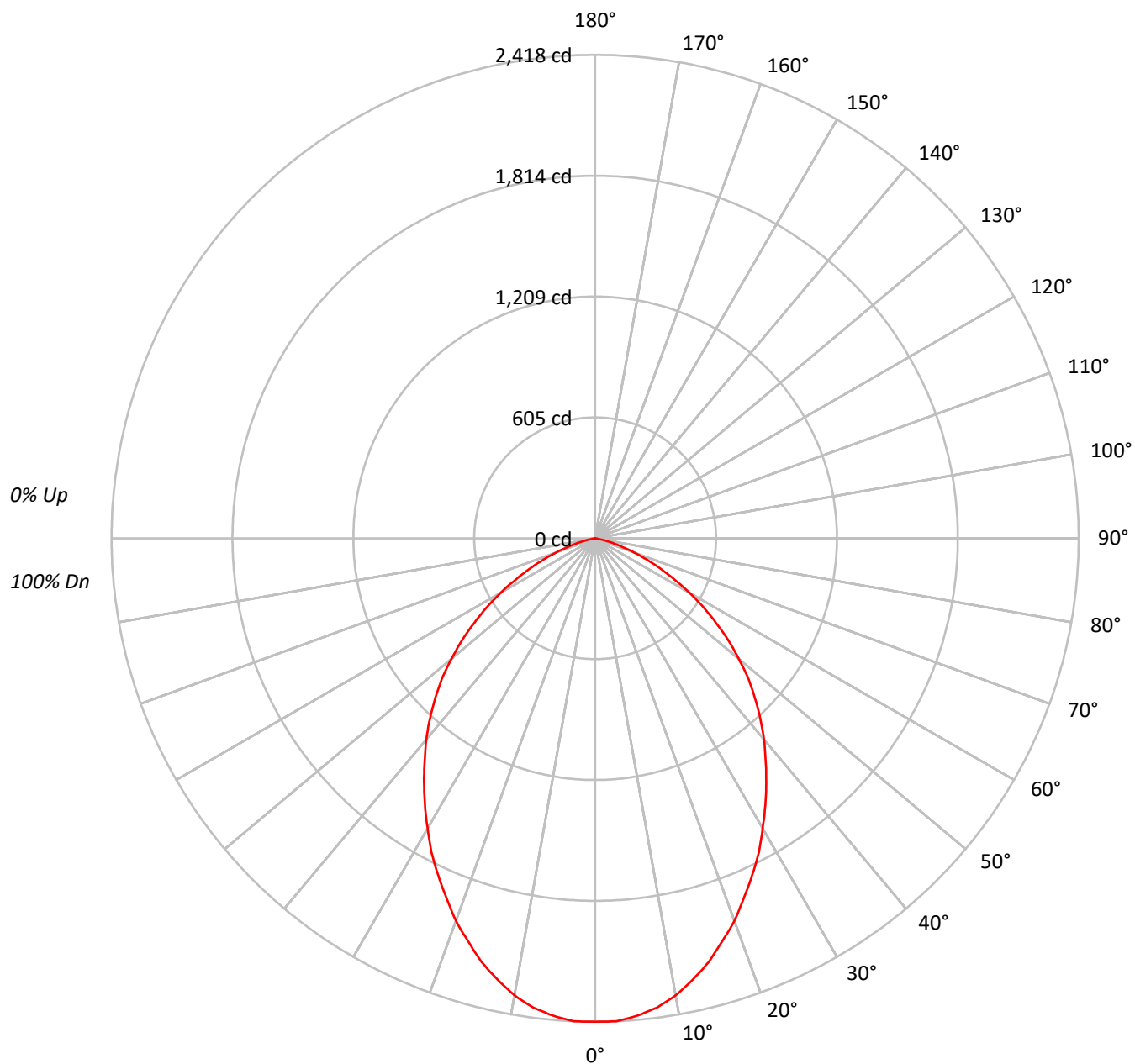
Lumens per Lamp: N/A
Luminaire Lumens: 4624.1 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P858080

CATALOG NUMBER: LD4C40D010 EU4409030 4LBSH

Luminous Intensity Polar Plot





TEST NUMBER: P858080

CATALOG NUMBER: LD4C40D010 EU4409030 4LBSH

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	297109
5°	295728
10°	289629
15°	279100
20°	266261
25°	251900
30°	237614
35°	223720
40°	210651
45°	196362
50°	179047
55°	158135
60°	133861
65°	105058
70°	75001
75°	41106
80°	7287
85°	0



TEST NUMBER: P858080

CATALOG NUMBER: LD4C40D010 EU4409030 4LBSH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.5	4.9
10°-20°	615.7	13.3
20°-30°	855.1	18.5
30°-40°	933.1	20.2
40°-50°	870.4	18.8
50°-60°	660.7	14.3
60°-70°	361.7	7.8
70°-80°	99.6	2.2
80°-90°	1.4	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°	1697.3	36.7
0°-40°	2630.3	56.9
0°-60°	4161.4	90.0
0°-90°	4624.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4624.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2418	
5°	2398	227
15°	2194	616
25°	1858	855
35°	1492	933
45°	1130	870
55°	738	661
65°	361	362
75°	87	100
85°	0	1
90°	0	



TEST NUMBER: P858080

CATALOG NUMBER: LD4C40D010 EU4409030 4LBSH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2418.4
2.5°	2418.4
5°	2398.0
7.5°	2367.5
10°	2321.7
12.5°	2260.6
15°	2194.4
17.5°	2112.9
20°	2036.6
22.5°	1944.9
25°	1858.3
27.5°	1771.9
30°	1675.0
32.5°	1583.4
35°	1491.7
37.5°	1400.1
40°	1313.5
42.5°	1222.0
45°	1130.2
47.5°	1038.7
50°	936.8
52.5°	840.0
55°	738.3
57.5°	641.5
60°	544.8
62.5°	448.0
65°	361.4
67.5°	279.9
70°	208.8
72.5°	142.6
75°	86.6
77.5°	40.7
80°	10.3
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)