

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: P858063

Luminaire Tested: **LD4C40D010 EU4409030 4LRMD45H**

Issue Date: 2/18/2022



Test Information

Test Method: LM-79-08
Report Number: P858063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD4C40D010 EU4409030 4LRMD45H
Description: 4 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 4LRMD45 TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

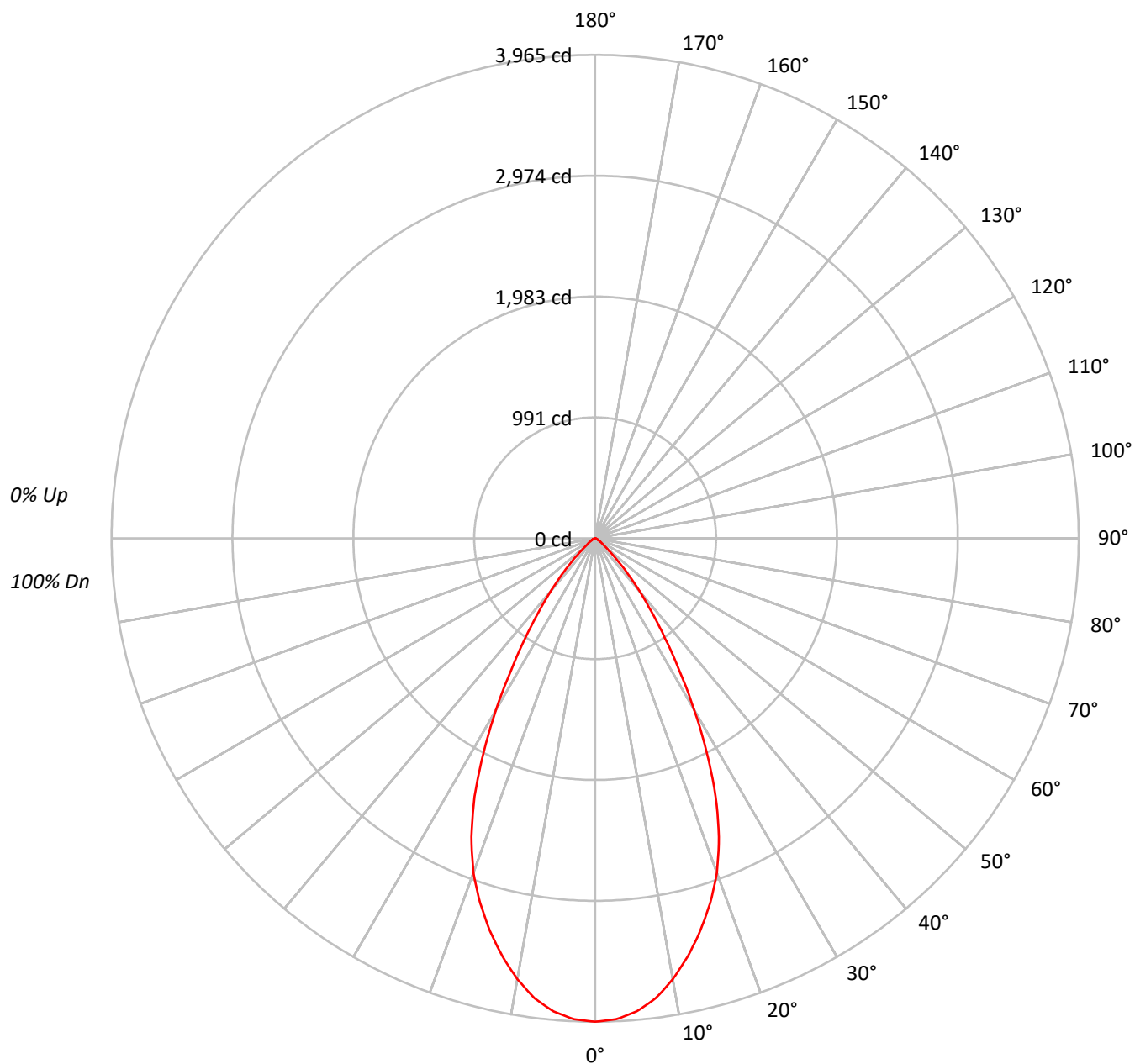
Lumens per Lamp: N/A
Luminaire Lumens: 3291.3 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.83
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P858063

CATALOG NUMBER: LD4C40D010 EU4409030 4LRMD45H

Luminous Intensity Polar Plot





TEST NUMBER: P858063

CATALOG NUMBER: LD4C40D010 EU4409030 4LRMD45H

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81		
4	97	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	77	75		
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70		
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65		
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61		
8	79	70	64	60	78	69	63	60	68	63	59	67	62	59	66	62	59	57		
9	76	66	60	56	74	65	60	56	64	59	56	64	59	56	63	58	55	54		
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	487126
5°	480552
10°	458002
15°	423801
20°	381506
25°	316952
30°	230393
35°	149346
40°	90387
45°	46580
50°	21100
55°	12680
60°	8501
65°	6076
70°	4598
75°	3038
80°	1981
85°	1269



TEST NUMBER: P858063

CATALOG NUMBER: LD4C40D010 EU4409030 4LRMD45H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.8	11.1
10°-20°	929.8	28.3
20°-30°	1051.5	31.9
30°-40°	635.4	19.3
40°-50°	222.6	6.8
50°-60°	56.9	1.7
60°-70°	21.8	0.7
70°-80°	7.3	0.2
80°-90°	1.1	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°	2346.1	71.3
0°-40°	2981.5	90.6
0°-60°	3261.0	99.1
0°-90°	3291.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3291.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3965	
5°	3897	365
15°	3332	930
25°	2338	1051
35°	996	635
45°	268	223
55°	59	57
65°	21	22
75°	6	7
85°	1	1
90°	0	



TEST NUMBER: P858063

CATALOG NUMBER: LD4C40D010 EU4409030 4LRMD45H

CANDELA DISTRIBUTION (FULL):

0°	
0°	3965.1
2.5°	3948.6
5°	3896.7
7.5°	3804.5
10°	3671.4
12.5°	3511.0
15°	3332.1
17.5°	3136.2
20°	2918.1
22.5°	2651.0
25°	2338.2
27.5°	1979.8
30°	1624.1
32.5°	1284.0
35°	995.8
37.5°	755.1
40°	563.6
42.5°	404.9
45°	268.1
47.5°	165.0
50°	110.4
52.5°	79.4
55°	59.2
57.5°	45.5
60°	34.6
62.5°	27.4
65°	20.9
67.5°	16.4
70°	12.8
72.5°	9.1
75°	6.4
77.5°	4.6
80°	2.8
82.5°	1.8
85°	0.9
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)