

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: P840425

Luminaire Tested: **LDS4C65D010 EU4659040 4LBPSSQMMS**

Issue Date: 8/24/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P840425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-18)
Test Lab: INNOVATION CENTER
Issue Date: 8/24/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LDS4C65D010 EU4659040 4LBPSSQMMS
Description: 4 INCH 6500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 4LBPSSQ TRIM WITH MMS FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

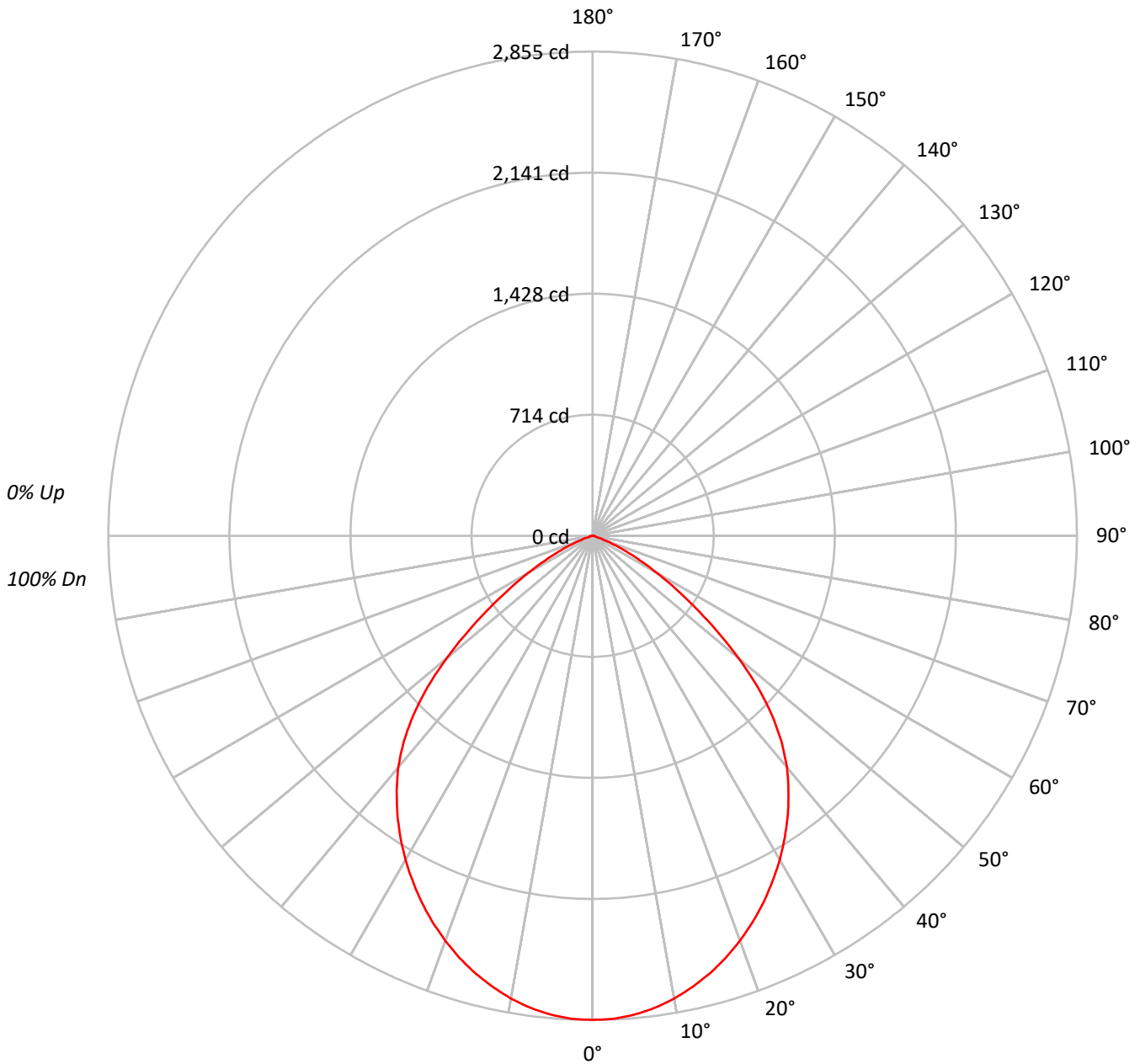
Lumens per Lamp: N/A
Luminaire Lumens: 5437.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.25
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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: P840425

CATALOG NUMBER: LDS4C65D010 EU4659040 4LBPSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P840425

CATALOG NUMBER: LDS4C65D010 EU4659040 4LBPSSQMMS

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	100	100	100
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90	90	90	90
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	79	79	79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70	70	70	70
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62	62	62	62
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55	55	55	55
6	77	65	58	52	75	65	57	52	63	56	52	61	56	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40	40	40	40
9	63	51	43	38	62	50	43	38	49	43	38	48	42	38	47	42	38	36	36	36	36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	39	35	33	33	33	33

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	275466
5°	274523
10°	271505
15°	266833
20°	260852
25°	253884
30°	245883
35°	236419
40°	224494
45°	204111
50°	168514
55°	124081
60°	84216
65°	49315
70°	19494
75°	4399
80°	5723
85°	9742



TEST NUMBER: P840425

CATALOG NUMBER: LDS4C65D010 EU4659040 4LBPSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.5	4.9
10°-20°	752.2	13.8
20°-30°	1097.1	20.2
30°-40°	1252.3	23.0
40°-50°	1138.5	20.9
50°-60°	671.5	12.4
60°-70°	225.2	4.1
70°-80°	23.5	0.4
80°-90°	8.2	0.2
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°	2117.8	39.0
0°-40°	3370.1	62.0
0°-60°	5180.1	95.3
0°-90°	5437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5437.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2855	
5°	2834	269
15°	2671	752
25°	2385	1097
35°	2007	1252
45°	1496	1138
55°	738	671
65°	216	225
75°	12	24
85°	9	8
90°	0	



TEST NUMBER: P840425

CATALOG NUMBER: LDS4C65D010 EU4659040 4LBPSSQMMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	2854.9
2.5°	2850.5
5°	2834.3
7.5°	2807.9
10°	2771.1
12.5°	2724.1
15°	2671.2
17.5°	2609.5
20°	2540.4
22.5°	2465.5
25°	2384.7
27.5°	2296.5
30°	2206.9
32.5°	2108.5
35°	2007.1
37.5°	1896.9
40°	1782.3
42.5°	1648.6
45°	1495.8
47.5°	1319.4
50°	1122.6
52.5°	925.7
55°	737.6
57.5°	577.4
60°	436.4
62.5°	315.9
65°	216.0
67.5°	132.2
70°	69.1
72.5°	26.4
75°	11.8
77.5°	11.8
80°	10.3
82.5°	8.8
85°	8.8
87.5°	7.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)