

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: P563956

Luminaire Tested: **LX6C05D010 EX6C059030 6LBMH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C05D010 EX6C059030 6LBMH
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBM TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

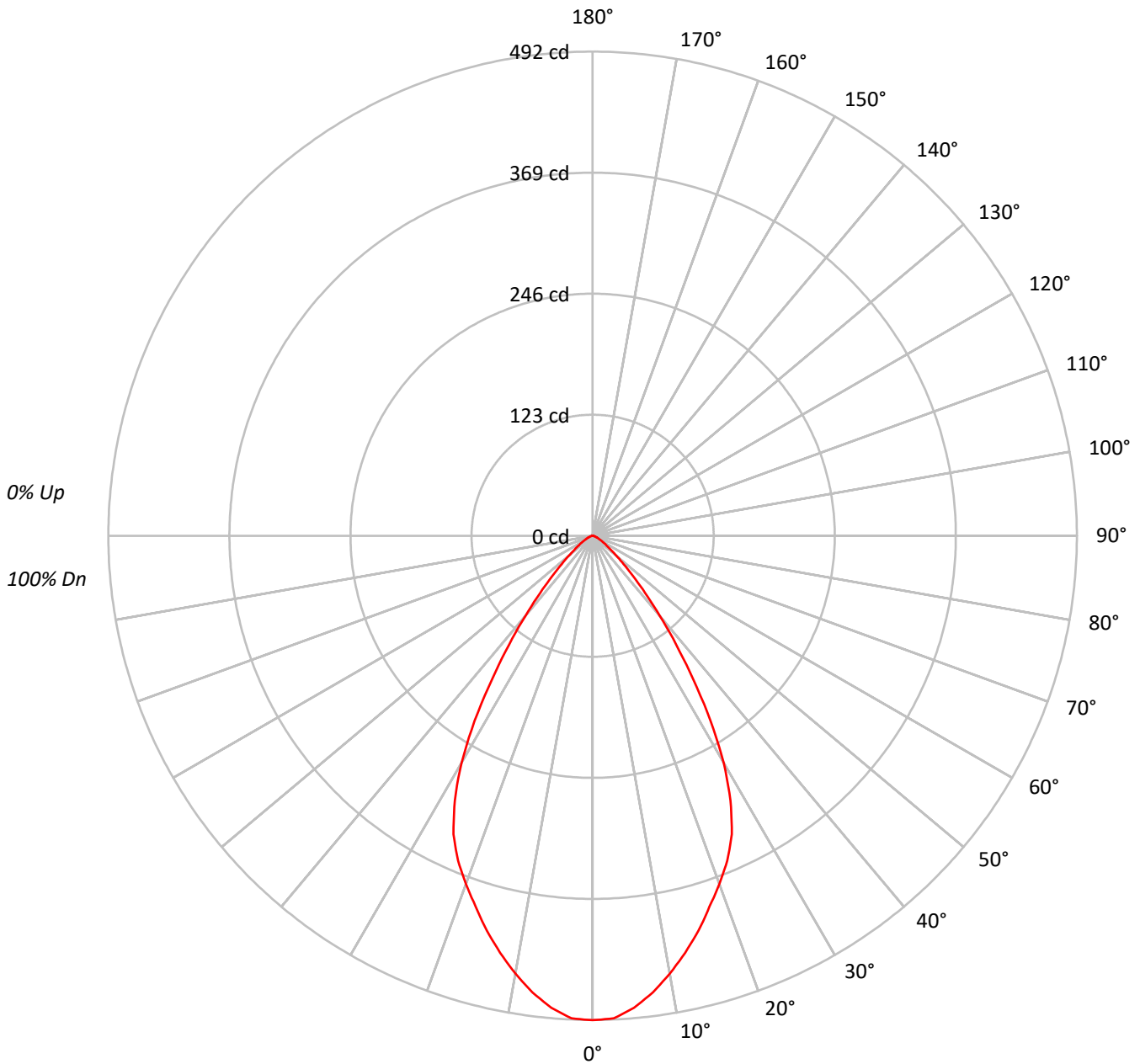
Lumens per Lamp: N/A
Luminaire Lumens: 497.4 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P563956

CATALOG NUMBER: LX6C05D010 EX6C059030 6LBMH

Luminous Intensity Polar Plot





TEST NUMBER: P563956

CATALOG NUMBER: LX6C05D010 EX6C059030 6LBMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92				92															
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72				72															
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61				61															
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57				57															
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53				53															
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49				49															
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	26982
5°	26502
10°	25144
15°	23581
20°	21964
25°	20239
30°	16863
35°	11886
40°	7571
45°	4520
50°	2661
55°	1692
60°	1173
65°	830
70°	577
75°	445
80°	221
85°	0



TEST NUMBER: P563956

CATALOG NUMBER: LX6C05D010 EX6C059030 6LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	9.0
10°-20°	116.4	23.4
20°-30°	150.9	30.3
30°-40°	112.0	22.5
40°-50°	47.3	9.5
50°-60°	16.8	3.4
60°-70°	6.5	1.3
70°-80°	2.2	0.4
80°-90°	0.3	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°	312.3	62.8
0°-40°	424.4	85.3
0°-60°	488.4	98.2
0°-90°	497.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	497.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	492	
5°	482	45
15°	416	116
25°	335	151
35°	178	112
45°	58	47
55°	18	17
65°	6	6
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P563956

CATALOG NUMBER: LX6C05D010 EX6C059030 6LBMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	492.2
2.5°	490.8
5°	481.6
7.5°	468.1
10°	451.7
12.5°	434.0
15°	415.5
17.5°	395.0
20°	376.5
22.5°	357.3
25°	334.6
27.5°	303.3
30°	266.4
32.5°	223.1
35°	177.6
37.5°	139.3
40°	105.8
42.5°	78.8
45°	58.3
47.5°	42.6
50°	31.2
52.5°	23.4
55°	17.7
57.5°	13.5
60°	10.7
62.5°	7.8
65°	6.4
67.5°	5.0
70°	3.6
72.5°	2.8
75°	2.1
77.5°	1.4
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)