

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: P563958

Luminaire Tested: **LX6C05D010 EX6C059030 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204188)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C05D010 EX6C059030 6LBSH
Description: 6 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND
6LBS TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

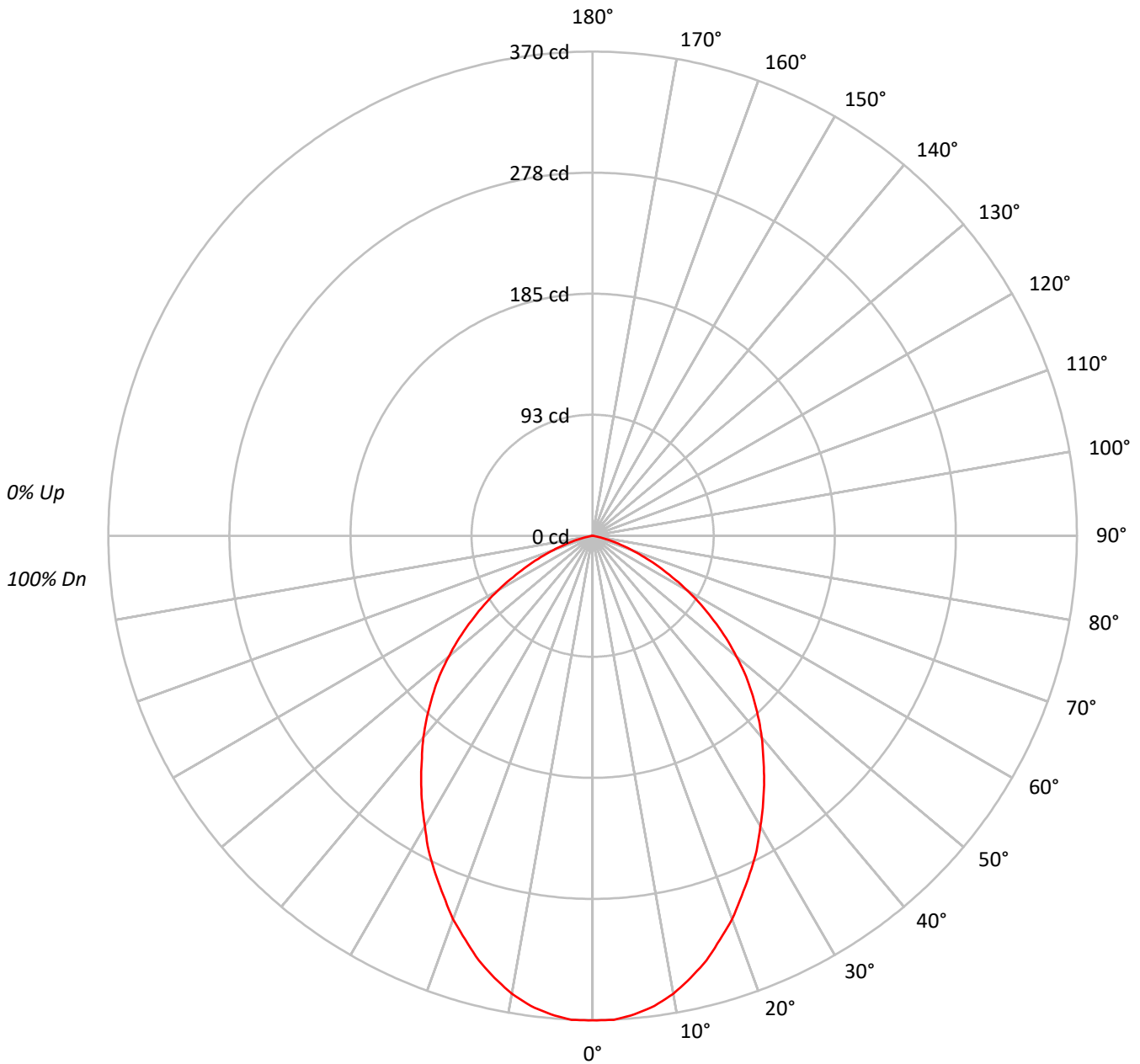
Lumens per Lamp: N/A
Luminaire Lumens: 707.9 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot





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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																			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77																			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67																			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58																			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51																			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46																			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41																			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37																			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34																			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20300
5°	20201
10°	19784
15°	19069
20°	18190
25°	17209
30°	16230
35°	15285
40°	14391
45°	13412
50°	12230
55°	10800
60°	9144
65°	7173
70°	5113
75°	2796
80°	474
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	4.9
10°-20°	94.3	13.3
20°-30°	130.9	18.5
30°-40°	142.8	20.2
40°-50°	133.3	18.8
50°-60°	101.2	14.3
60°-70°	55.3	7.8
70°-80°	15.2	2.2
80°-90°	0.2	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°	259.8	36.7
0°-40°	402.7	56.9
0°-60°	637.1	90.0
0°-90°	707.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	707.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	370	
5°	367	35
15°	336	94
25°	284	131
35°	228	143
45°	173	133
55°	113	101
65°	55	55
75°	13	15
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	370.3
2.5°	370.3
5°	367.1
7.5°	362.4
10°	355.4
12.5°	346.1
15°	336.0
17.5°	323.5
20°	311.8
22.5°	297.7
25°	284.5
27.5°	271.3
30°	256.4
32.5°	242.4
35°	228.4
37.5°	214.3
40°	201.1
42.5°	187.1
45°	173.0
47.5°	159.0
50°	143.4
52.5°	128.6
55°	113.0
57.5°	98.3
60°	83.4
62.5°	68.6
65°	55.3
67.5°	42.8
70°	31.9
72.5°	21.9
75°	13.2
77.5°	6.2
80°	1.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)