

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: P683977

Luminaire Tested: **LX6C120D010 EX6C1209050 6LBMH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683977
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: LX6C120D010 EX6C1209050 6LBMH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

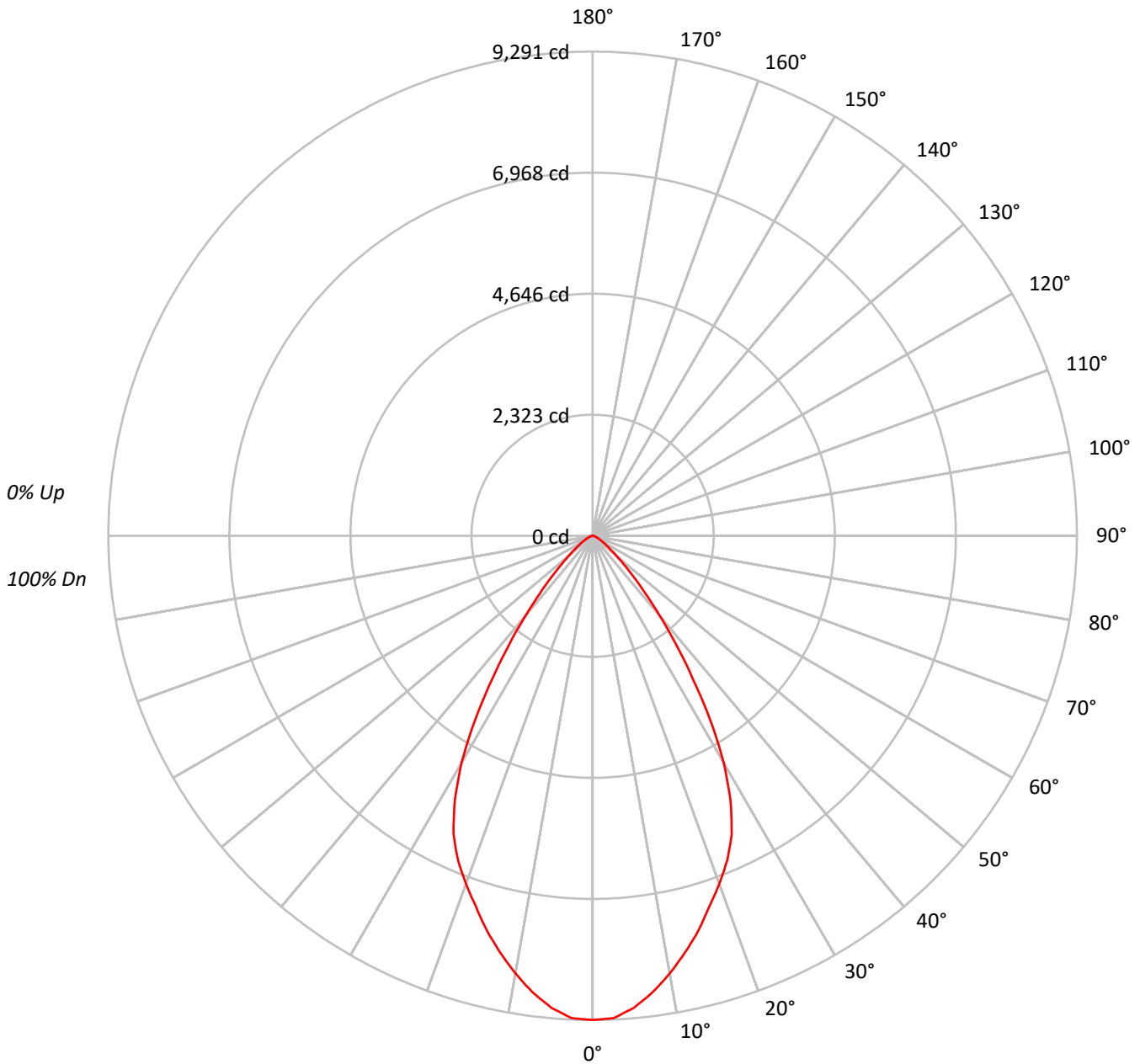
Lumens per Lamp: N/A
Luminaire Lumens: 9388.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
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									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	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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92																											
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85																											
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78																											
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72																											
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66																											
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61																											
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																											
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53																											
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49																											
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	509329
5°	500208
10°	474652
15°	445099
20°	414524
25°	381941
30°	318245
35°	224306
40°	142954
45°	85249
50°	50318
55°	32018
60°	22049
65°	15644
70°	10771
75°	8515
80°	4167
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.5	9.0
10°-20°	2197.6	23.4
20°-30°	2847.5	30.3
30°-40°	2114.0	22.5
40°-50°	892.5	9.5
50°-60°	316.9	3.4
60°-70°	122.3	1.3
70°-80°	42.3	0.5
80°-90°	5.4	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°	5894.6	62.8
0°-40°	8008.7	85.3
0°-60°	9218.0	98.2
0°-90°	9388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9388.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9291	
5°	9090	849
15°	7843	2198
25°	6314	2848
35°	3352	2114
45°	1100	892
55°	335	317
65°	121	122
75°	40	42
85°	0	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9290.9
2.5°	9263.9
5°	9089.8
7.5°	8834.8
10°	8526.8
12.5°	8191.3
15°	7842.6
17.5°	7454.2
20°	7105.5
22.5°	6743.5
25°	6314.4
27.5°	5724.4
30°	5027.5
32.5°	4209.4
35°	3351.7
37.5°	2627.8
40°	1997.6
42.5°	1488.0
45°	1099.6
47.5°	804.3
50°	590.0
52.5°	442.4
55°	335.0
57.5°	254.5
60°	201.1
62.5°	147.6
65°	120.6
67.5°	93.7
70°	67.2
72.5°	53.4
75°	40.2
77.5°	27.0
80°	13.2
82.5°	13.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)