

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: P685197

Luminaire Tested: **LX6C75D010 EX6759035 6LBMLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C75D010 EX6759035 6LBMLI
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBM TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

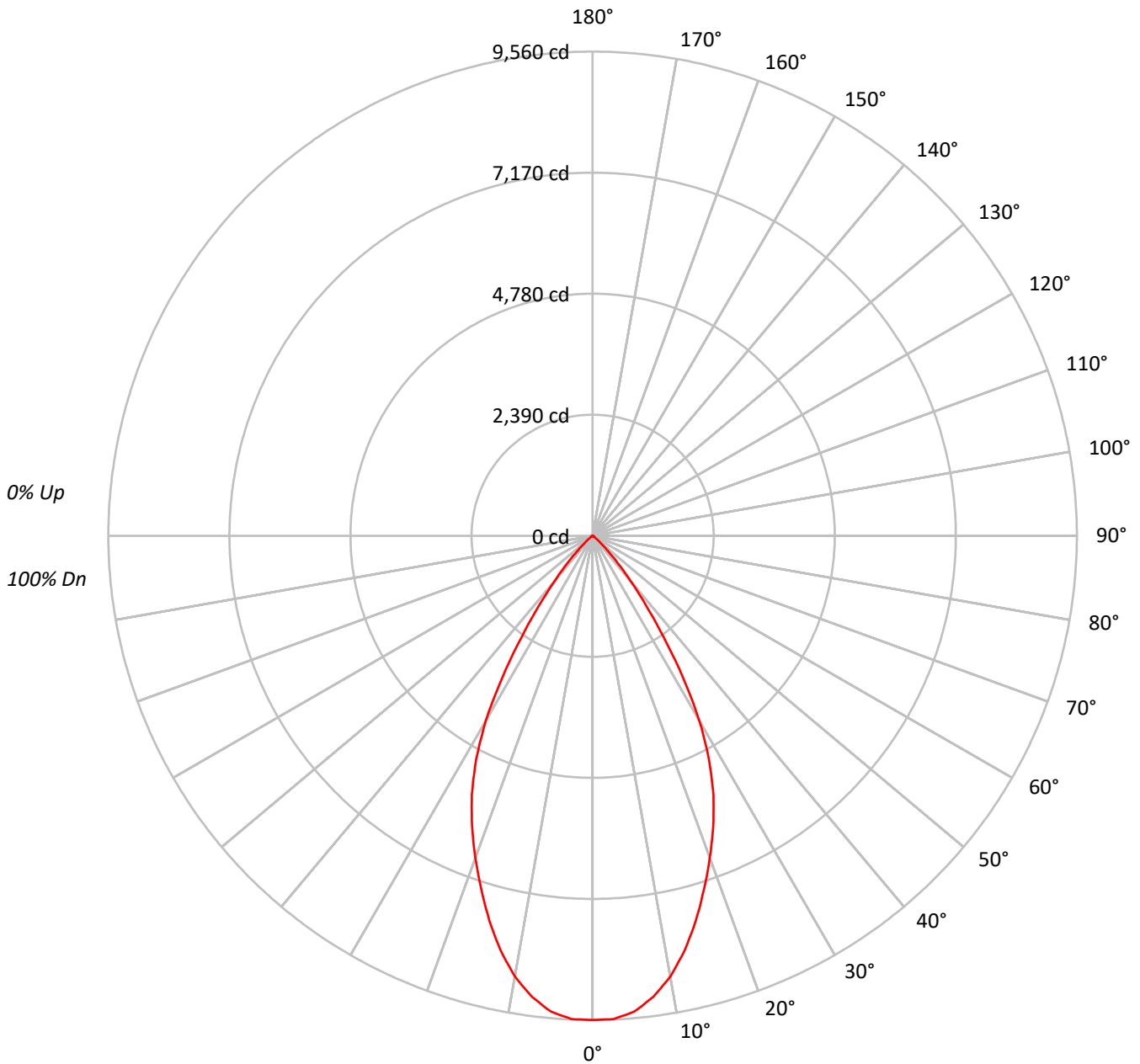
Lumens per Lamp: N/A
Luminaire Lumens: 7638.9 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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				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
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			82
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			76
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			67
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			63
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	524070
5°	519088
10°	491880
15°	446586
20°	394618
25°	341161
30°	266680
35°	163547
40°	83943
45°	33352
50°	10831
55°	3727
60°	3201
65°	2555
70°	1571
75°	2076
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	880.7	11.5
10°-20°	2192.6	28.7
20°-30°	2548.7	33.4
30°-40°	1560.8	20.4
40°-50°	387.6	5.1
50°-60°	45.3	0.6
60°-70°	16.9	0.2
70°-80°	6.4	0.1
80°-90°	0.0	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°	5622.0	73.6
0°-40°	7182.7	94.0
0°-60°	7615.6	99.7
0°-90°	7638.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7638.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9560	
5°	9433	881
15°	7869	2193
25°	5640	2549
35°	2444	1561
45°	430	388
55°	39	45
65°	20	17
75°	10	6
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9559.8
2.5°	9550.0
5°	9432.9
7.5°	9178.6
10°	8836.3
12.5°	8386.8
15°	7868.8
17.5°	7311.6
20°	6764.3
22.5°	6216.7
25°	5640.2
27.5°	4975.5
30°	4212.9
32.5°	3323.4
35°	2443.8
37.5°	1720.3
40°	1173.0
42.5°	733.0
45°	430.2
47.5°	244.4
50°	127.0
52.5°	58.7
55°	39.0
57.5°	29.2
60°	29.2
62.5°	19.7
65°	19.7
67.5°	9.8
70°	9.8
72.5°	9.8
75°	9.8
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)