

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: P683924

Luminaire Tested: **LX6C100D010 EX6C1009050 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683924
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: LX6C100D010 EX6C1009050 6LBSH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

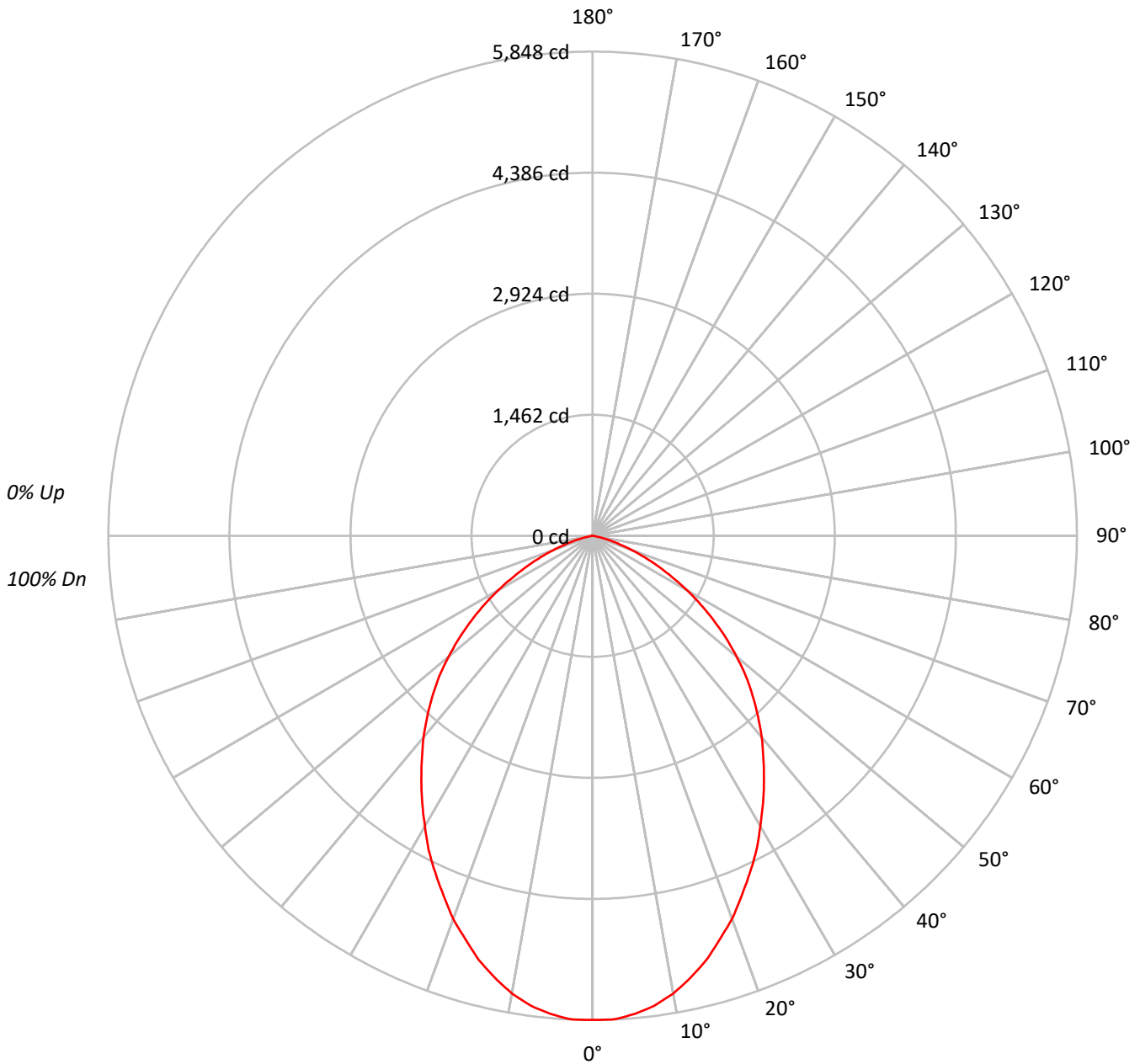
Lumens per Lamp: N/A
Luminaire Lumens: 11181.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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				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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77				77
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67				67
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58				58
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51				51
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46				46
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41				41
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37				37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34				34
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31				31

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	320572
5°	319072
10°	312491
15°	301125
20°	287276
25°	271794
30°	256375
35°	241398
40°	227297
45°	211882
50°	193188
55°	170622
60°	144418
65°	113397
70°	80911
75°	44332
80°	7798
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.7	4.9
10°-20°	1488.7	13.3
20°-30°	2067.5	18.5
30°-40°	2256.1	20.2
40°-50°	2104.6	18.8
50°-60°	1597.5	14.3
60°-70°	874.7	7.8
70°-80°	240.7	2.2
80°-90°	3.3	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°	4103.9	36.7
0°-40°	6360.1	56.9
0°-60°	10062.2	90.0
0°-90°	11181.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11181.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5848	
5°	5798	548
15°	5306	1489
25°	4493	2067
35°	3607	2256
45°	2733	2105
55°	1785	1598
65°	874	875
75°	209	241
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5847.7
2.5°	5847.7
5°	5798.2
7.5°	5724.4
10°	5613.7
12.5°	5465.9
15°	5305.8
17.5°	5108.9
20°	4924.3
22.5°	4702.7
25°	4493.4
27.5°	4284.1
30°	4050.1
32.5°	3828.5
35°	3607.1
37.5°	3385.5
40°	3176.2
42.5°	2954.6
45°	2733.0
47.5°	2511.3
50°	2265.2
52.5°	2031.3
55°	1785.2
57.5°	1551.2
60°	1317.2
62.5°	1083.5
65°	874.2
67.5°	677.0
70°	504.8
72.5°	344.7
75°	209.3
77.5°	98.6
80°	24.7
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)