

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: P683864

Luminaire Tested: **LX6C100D010 EX6C1009027 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683864
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 EX6C1009027 6LBSH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

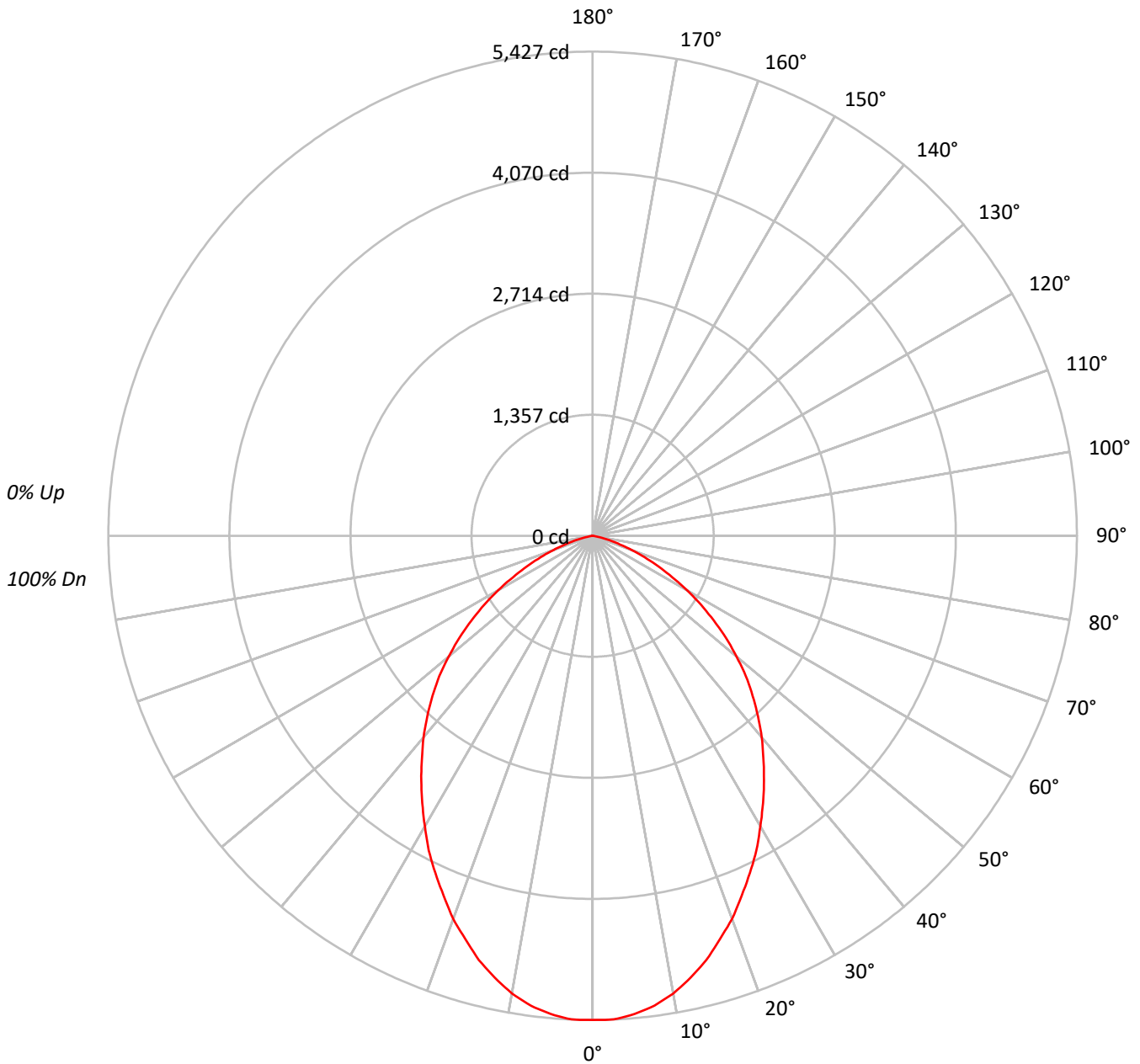
Lumens per Lamp: N/A
Luminaire Lumens: 10377.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	297520
5°	296131
10°	290019
15°	279474
20°	266618
25°	252250
30°	237942
35°	224045
40°	210952
45°	196641
50°	179303
55°	158350
60°	134035
65°	105238
70°	75093
75°	41133
80°	7229
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.3	4.9
10°-20°	1381.7	13.3
20°-30°	1918.8	18.5
30°-40°	2093.9	20.2
40°-50°	1953.3	18.8
50°-60°	1482.6	14.3
60°-70°	811.8	7.8
70°-80°	223.4	2.2
80°-90°	3.1	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°	3808.8	36.7
0°-40°	5902.7	56.9
0°-60°	9338.6	90.0
0°-90°	10377.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10377.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5427	
5°	5381	508
15°	4924	1382
25°	4170	1919
35°	3348	2094
45°	2536	1953
55°	1657	1483
65°	811	812
75°	194	223
85°	0	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5427.2
2.5°	5427.2
5°	5381.3
7.5°	5312.7
10°	5210.0
12.5°	5072.9
15°	4924.3
17.5°	4741.5
20°	4570.2
22.5°	4364.5
25°	4170.3
27.5°	3976.1
30°	3758.9
32.5°	3553.2
35°	3347.8
37.5°	3142.1
40°	2947.8
42.5°	2742.1
45°	2536.4
47.5°	2330.7
50°	2102.4
52.5°	1885.2
55°	1656.8
57.5°	1439.6
60°	1222.5
62.5°	1005.6
65°	811.3
67.5°	628.3
70°	468.5
72.5°	319.9
75°	194.2
77.5°	91.5
80°	22.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)