

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: P683991

Luminaire Tested: **LX6C130D010 EX6C1309027 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683991
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: LX6C130D010 EX6C1309027 6LBSH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

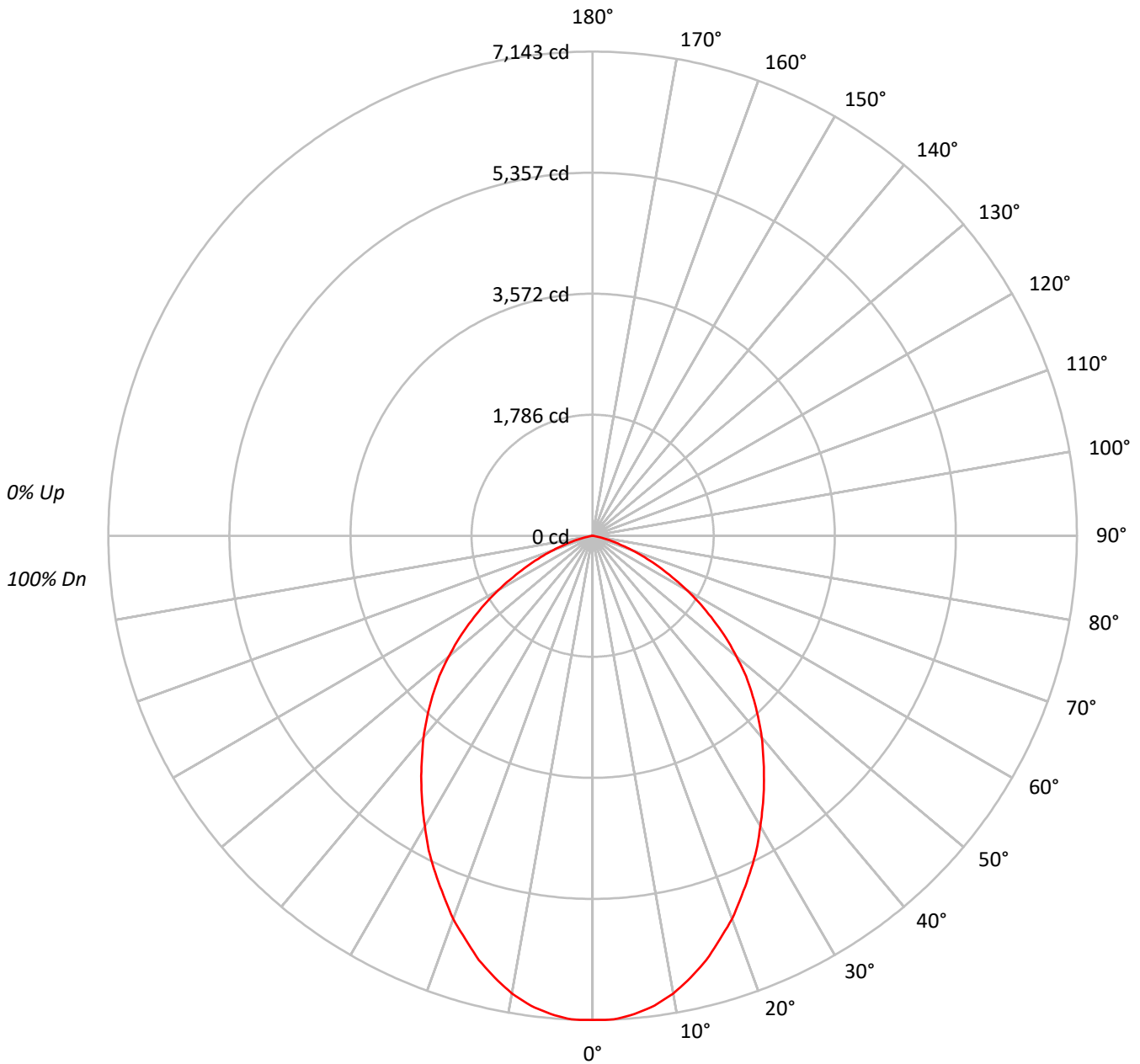
Lumens per Lamp: N/A
Luminaire Lumens: 13658.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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				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°	391586
5°	389763
10°	381717
15°	367834
20°	350917
25°	332009
30°	313175
35°	294883
40°	277656
45°	258818
50°	235992
55°	208423
60°	176411
65°	138510
70°	98831
75°	54138
80°	9534
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	669.1	4.9
10°-20°	1818.5	13.3
20°-30°	2525.5	18.5
30°-40°	2756.0	20.2
40°-50°	2570.9	18.8
50°-60°	1951.4	14.3
60°-70°	1068.5	7.8
70°-80°	294.0	2.2
80°-90°	4.1	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°	5013.1	36.7
0°-40°	7769.1	56.9
0°-60°	12291.4	90.0
0°-90°	13658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13658.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7143	
5°	7083	669
15°	6481	1819
25°	5489	2526
35°	4406	2756
45°	3338	2571
55°	2181	1951
65°	1068	1069
75°	256	294
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7143.1
2.5°	7143.1
5°	7082.8
7.5°	6992.5
10°	6857.3
12.5°	6676.8
15°	6481.2
17.5°	6240.7
20°	6015.2
22.5°	5744.5
25°	5488.9
27.5°	5233.2
30°	4947.4
32.5°	4676.7
35°	4406.3
37.5°	4135.5
40°	3879.9
42.5°	3609.1
45°	3338.4
47.5°	3067.7
50°	2767.1
52.5°	2481.2
55°	2180.7
57.5°	1894.8
60°	1609.0
62.5°	1323.5
65°	1067.8
67.5°	827.0
70°	616.6
72.5°	421.0
75°	255.6
77.5°	120.4
80°	30.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)