

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: P683947

Luminaire Tested: **LX6C120D010 EX6C1209027 6LBSH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683947
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: LX6C120D010 EX6C1209027 6LBSH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

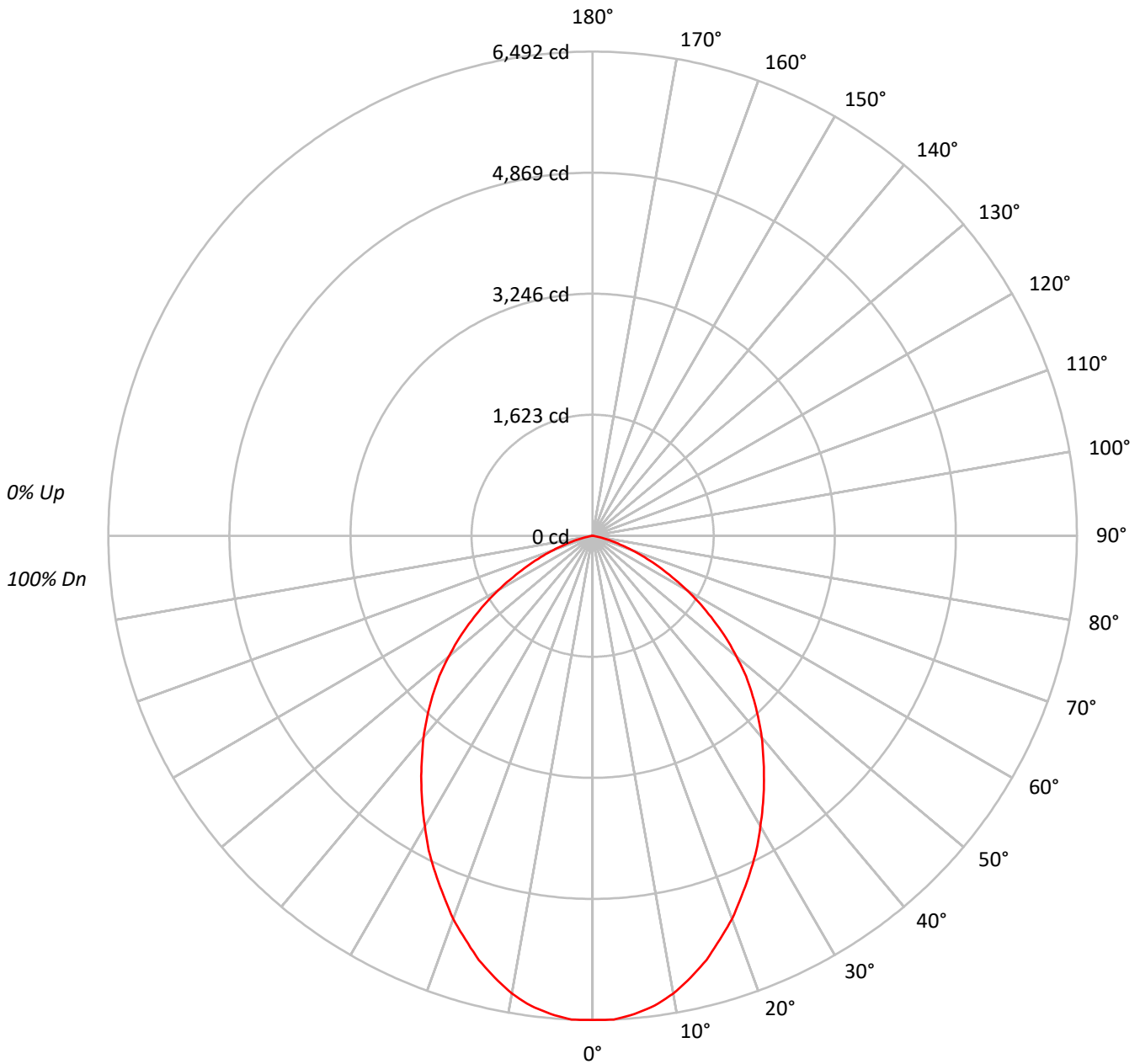
Lumens per Lamp: N/A
Luminaire Lumens: 12414.0 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	355920
5°	354264
10°	346949
15°	334332
20°	318959
25°	301765
30°	284651
35°	268020
40°	252366
45°	235241
50°	214492
55°	189432
60°	160338
65°	125902
70°	89839
75°	49224
80°	8650
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.1	4.9
10°-20°	1652.9	13.3
20°-30°	2295.5	18.5
30°-40°	2505.0	20.2
40°-50°	2336.7	18.8
50°-60°	1773.6	14.3
60°-70°	971.2	7.8
70°-80°	267.3	2.2
80°-90°	3.7	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°	4556.5	36.7
0°-40°	7061.5	56.9
0°-60°	11171.8	90.0
0°-90°	12414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12414.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6492	
5°	6438	608
15°	5891	1653
25°	4989	2295
35°	4005	2505
45°	3034	2337
55°	1982	1774
65°	971	971
75°	232	267
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6492.5
2.5°	6492.5
5°	6437.7
7.5°	6355.6
10°	6232.7
12.5°	6068.7
15°	5890.9
17.5°	5672.3
20°	5467.4
22.5°	5221.3
25°	4988.9
27.5°	4756.6
30°	4496.8
32.5°	4250.7
35°	4004.9
37.5°	3758.9
40°	3526.5
42.5°	3280.4
45°	3034.3
47.5°	2788.3
50°	2515.0
52.5°	2255.3
55°	1982.0
57.5°	1722.2
60°	1462.4
62.5°	1202.9
65°	970.6
67.5°	751.7
70°	560.5
72.5°	382.7
75°	232.4
77.5°	109.5
80°	27.4
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)