

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: P683971

Luminaire Tested: **LX6C120D010 EX6C1209040 6LBSH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683971
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 EX6C1209040 6LBSH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBS TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

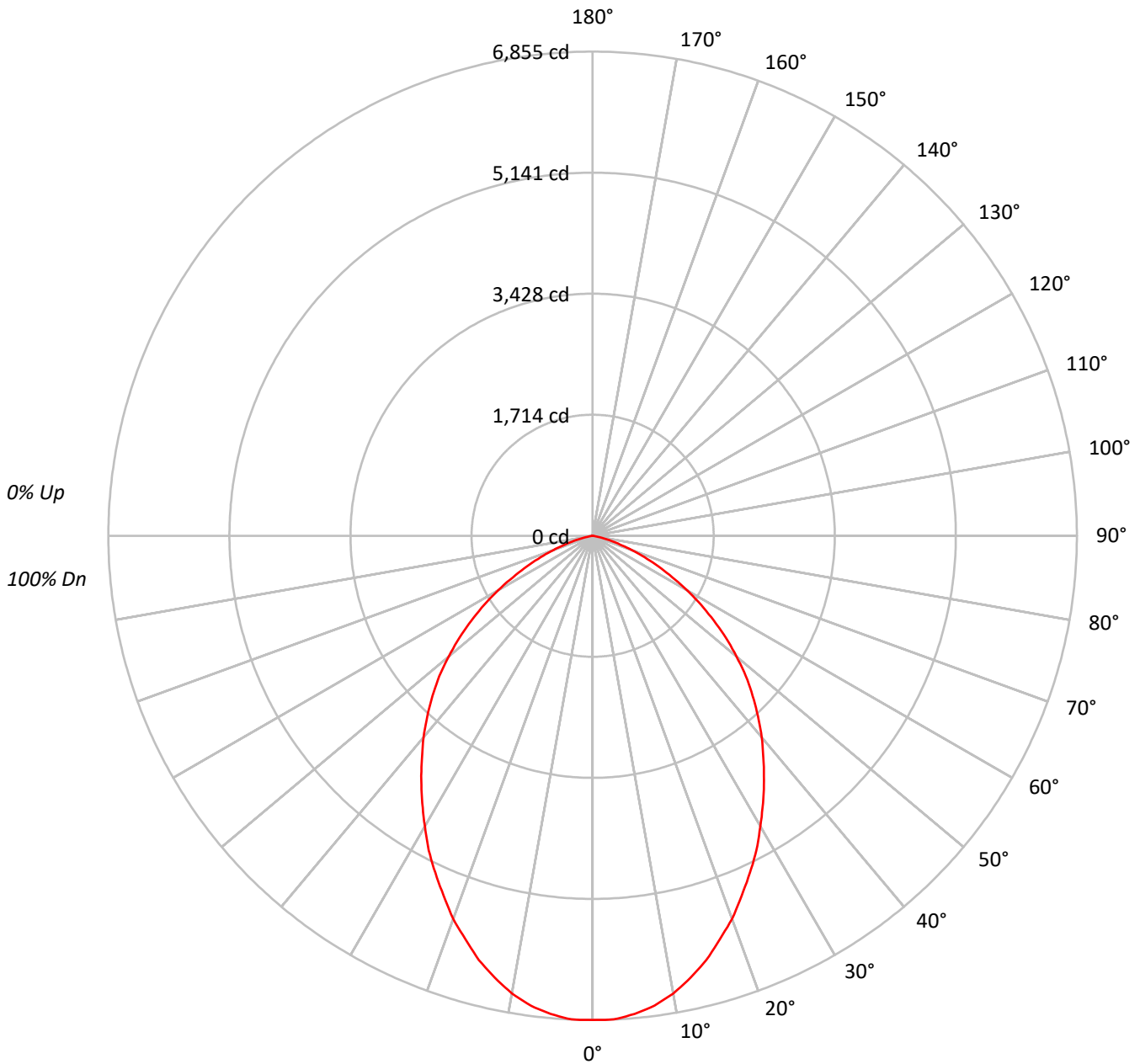
Lumens per Lamp: N/A
Luminaire Lumens: 13107.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	375792
5°	374036
10°	366320
15°	352999
20°	336764
25°	318611
30°	300540
35°	282984
40°	266456
45°	248375
50°	226466
55°	200012
60°	169296
65°	132933
70°	94840
75°	51957
80°	9155
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.1	4.9
10°-20°	1745.2	13.3
20°-30°	2423.6	18.5
30°-40°	2644.8	20.2
40°-50°	2467.2	18.8
50°-60°	1872.7	14.3
60°-70°	1025.4	7.8
70°-80°	282.2	2.2
80°-90°	3.9	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°	4810.9	36.7
0°-40°	7455.7	56.9
0°-60°	11795.5	90.0
0°-90°	13107.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13107.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6855	
5°	6797	642
15°	6220	1745
25°	5267	2424
35°	4228	2645
45°	3204	2467
55°	2093	1873
65°	1025	1025
75°	245	282
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6855.0
2.5°	6855.0
5°	6797.0
7.5°	6710.4
10°	6580.7
12.5°	6407.5
15°	6219.8
17.5°	5988.9
20°	5772.6
22.5°	5512.8
25°	5267.4
27.5°	5022.1
30°	4747.8
32.5°	4488.0
35°	4228.5
37.5°	3968.7
40°	3723.4
42.5°	3463.5
45°	3203.7
47.5°	2943.9
50°	2655.4
52.5°	2381.1
55°	2092.7
57.5°	1818.4
60°	1544.1
62.5°	1270.1
65°	1024.8
67.5°	793.6
70°	591.7
72.5°	404.0
75°	245.3
77.5°	115.6
80°	29.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)