

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: P683970

Luminaire Tested: **LX6C120D010 EX6C1209040 6LBNH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209040 6LBNH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBN TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

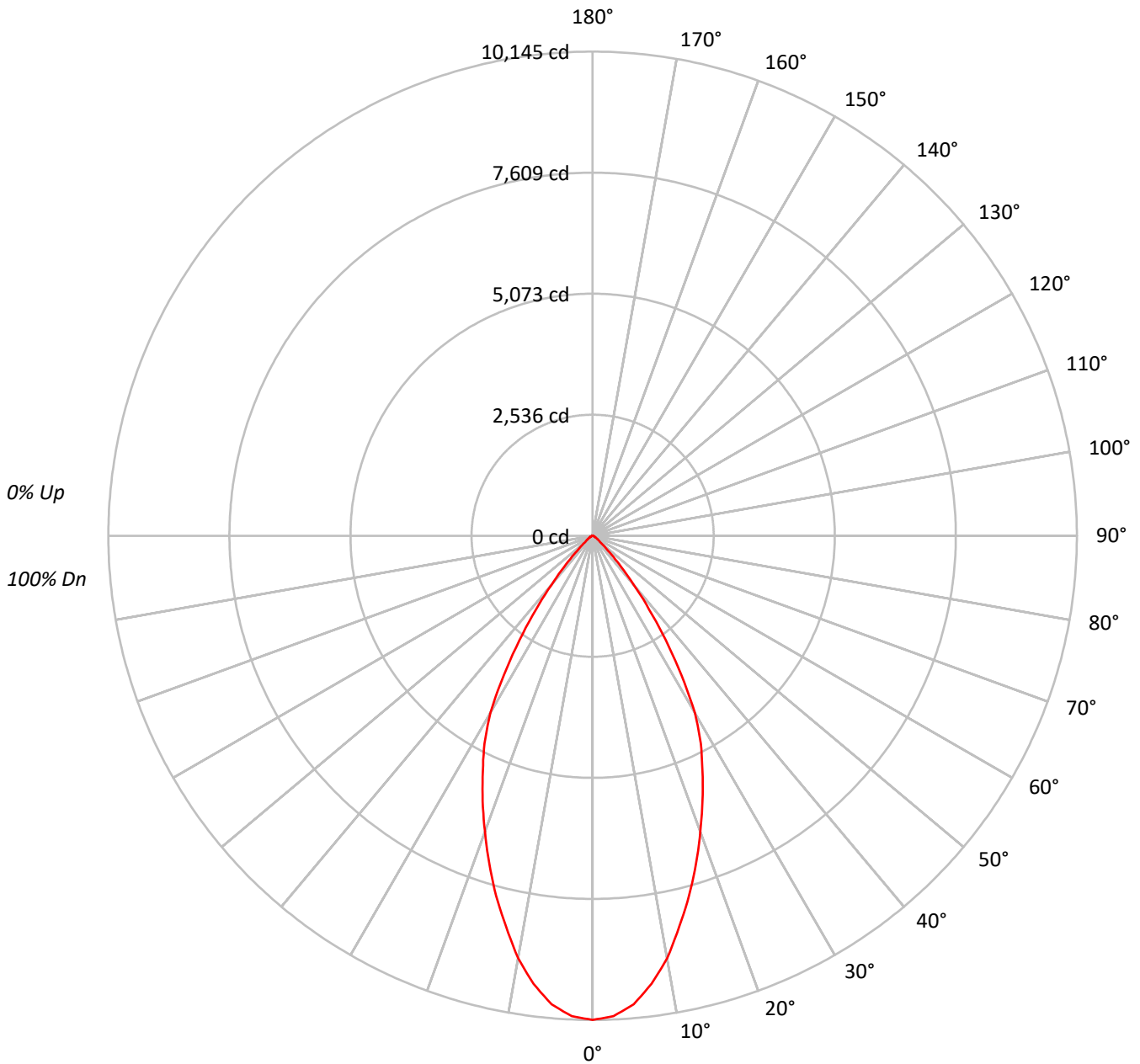
Lumens per Lamp: N/A
Luminaire Lumens: 7914.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	556145
5°	542382
10°	500464
15°	443084
20°	384724
25°	329069
30°	271301
35°	178658
40°	96044
45°	42516
50°	17245
55°	12434
60°	7905
65°	5643
70°	4648
75°	3071
80°	4578
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.3	11.5
10°-20°	2175.6	27.5
20°-30°	2492.3	31.5
30°-40°	1674.5	21.2
40°-50°	478.4	6.0
50°-60°	117.1	1.5
60°-70°	44.5	0.6
70°-80°	17.2	0.2
80°-90°	2.0	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°	5580.2	70.5
0°-40°	7254.7	91.7
0°-60°	7850.3	99.2
0°-90°	7914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7914.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10145	
5°	9856	912
15°	7807	2176
25°	5440	2492
35°	2670	1675
45°	548	478
55°	130	117
65°	44	44
75°	14	17
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10144.9
2.5°	10072.9
5°	9856.2
7.5°	9466.4
10°	8990.5
12.5°	8384.1
15°	7807.1
17.5°	7201.1
20°	6594.7
22.5°	6017.7
25°	5440.3
27.5°	4906.3
30°	4285.9
32.5°	3463.2
35°	2669.6
37.5°	1948.0
40°	1342.1
42.5°	880.2
45°	548.4
47.5°	331.8
50°	202.2
52.5°	158.6
55°	130.1
57.5°	101.1
60°	72.1
62.5°	57.5
65°	43.5
67.5°	29.0
70°	29.0
72.5°	14.5
75°	14.5
77.5°	14.5
80°	14.5
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)