

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: P683981

Luminaire Tested: **LX6C120D010 EX6C1209050 6LBWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P683981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209050 6LBWH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

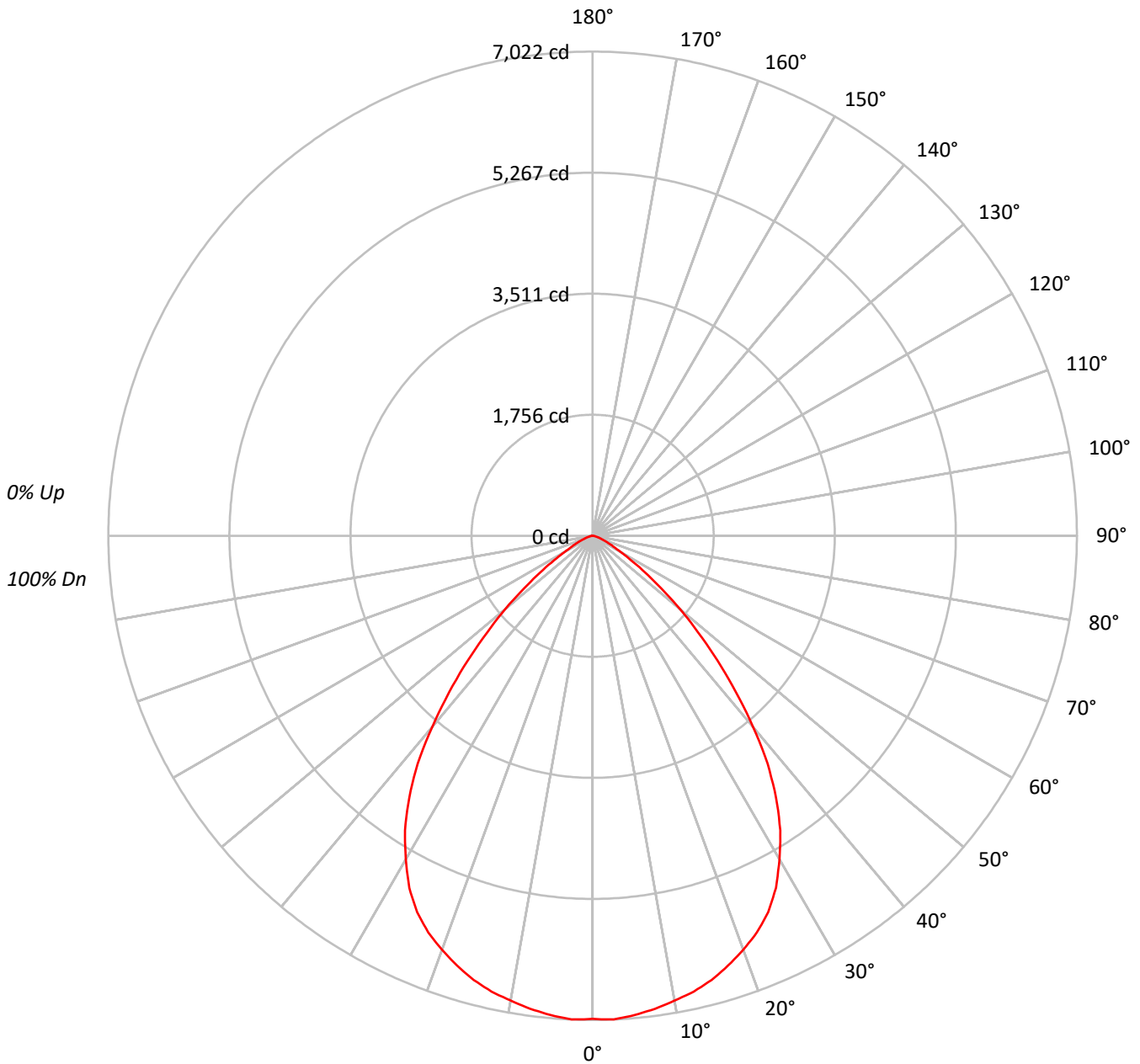
Lumens per Lamp: N/A
Luminaire Lumens: 11361.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			100
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	384130
5°	383991
10°	381038
15°	378487
20°	372724
25°	364207
30°	342926
35°	310342
40°	259150
45°	198571
50°	140635
55°	88666
60°	50018
65°	32468
70°	21206
75°	15589
80°	9345
85°	9309



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	661.8	5.8
10°-20°	1877.9	16.5
20°-30°	2753.5	24.2
30°-40°	2865.7	25.2
40°-50°	1982.6	17.5
50°-60°	863.3	7.6
60°-70°	264.7	2.3
70°-80°	79.4	0.7
80°-90°	12.1	0.1
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°	5293.3	46.6
0°-40°	8158.9	71.8
0°-60°	11004.9	96.9
0°-90°	11361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11361.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7007	
5°	6978	662
15°	6669	1878
25°	6021	2753
35°	4637	2866
45°	2561	1983
55°	928	863
65°	250	265
75°	74	79
85°	15	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7007.1
2.5°	7021.9
5°	6977.9
7.5°	6919.2
10°	6845.1
12.5°	6771.6
15°	6668.9
17.5°	6536.1
20°	6389.0
22.5°	6227.0
25°	6021.2
27.5°	5756.0
30°	5417.4
32.5°	5063.9
35°	4637.3
37.5°	4166.3
40°	3621.3
42.5°	3076.7
45°	2561.3
47.5°	2075.5
50°	1649.0
52.5°	1251.5
55°	927.7
57.5°	662.6
60°	456.2
62.5°	338.7
65°	250.3
67.5°	191.6
70°	132.3
72.5°	103.2
75°	73.6
77.5°	43.9
80°	29.6
82.5°	14.8
85°	14.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)