

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: P683949

Luminaire Tested: **LX6C120D010 EX6C1209027 6LBWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P683949
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 EX6C1209027 6LBWH
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

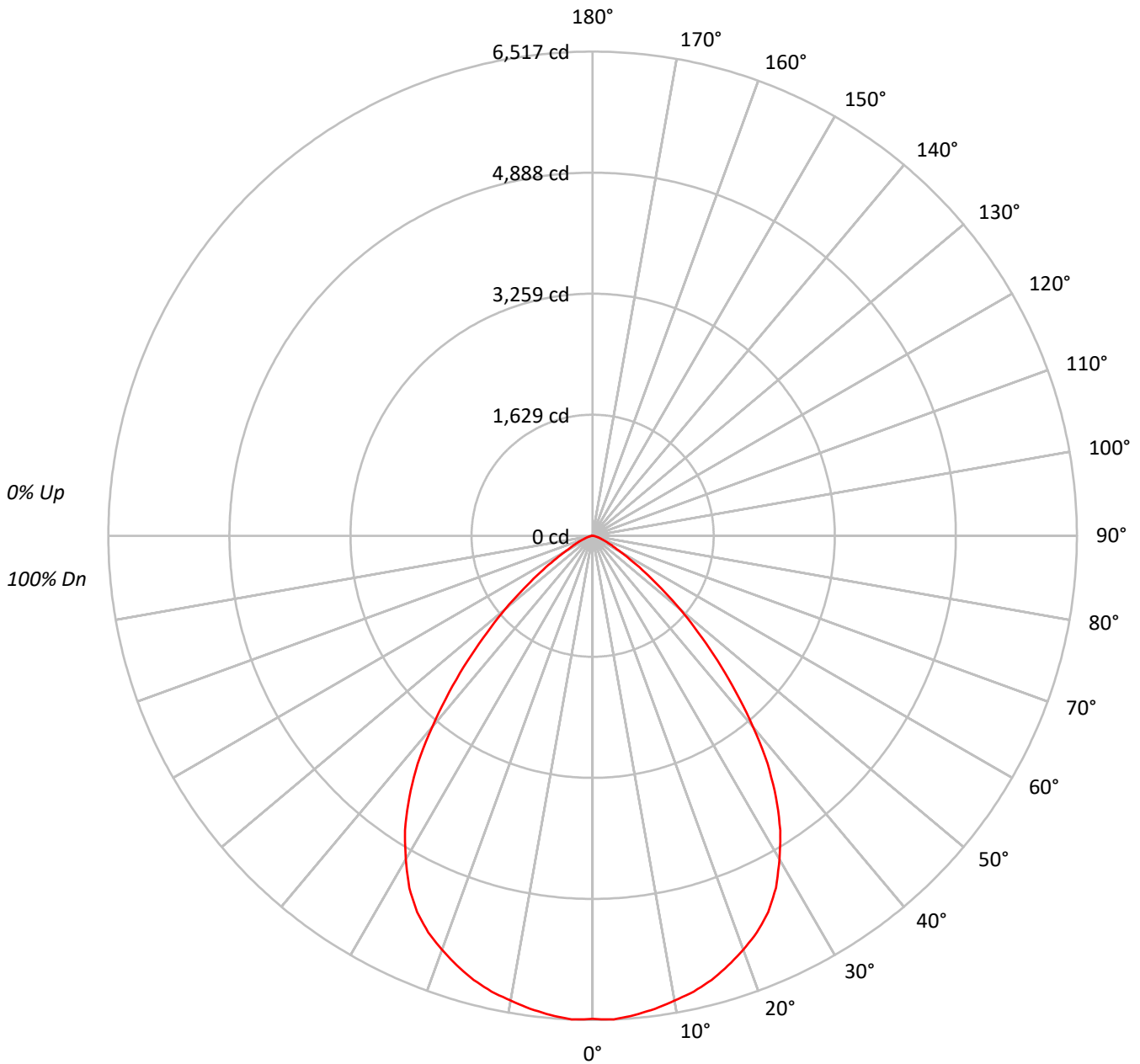
Lumens per Lamp: N/A
Luminaire Lumens: 10544.1 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	356507
5°	356377
10°	353640
15°	351268
20°	345918
25°	338015
30°	318264
35°	288024
40°	240515
45°	184290
50°	130520
55°	82291
60°	46422
65°	30133
70°	19683
75°	14467
80°	8682
85°	8680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	614.2	5.8
10°-20°	1742.9	16.5
20°-30°	2555.5	24.2
30°-40°	2659.6	25.2
40°-50°	1840.1	17.5
50°-60°	801.2	7.6
60°-70°	245.7	2.3
70°-80°	73.7	0.7
80°-90°	11.2	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°	4912.6	46.6
0°-40°	7572.2	71.8
0°-60°	10213.4	96.9
0°-90°	10544.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10544.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6503	
5°	6476	614
15°	6189	1743
25°	5588	2555
35°	4304	2660
45°	2377	1840
55°	861	801
65°	232	246
75°	68	74
85°	14	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6503.2
2.5°	6516.9
5°	6476.1
7.5°	6421.6
10°	6352.9
12.5°	6284.6
15°	6189.3
17.5°	6066.0
20°	5929.5
22.5°	5779.2
25°	5588.2
27.5°	5342.1
30°	5027.8
32.5°	4699.7
35°	4303.8
37.5°	3866.7
40°	3360.9
42.5°	2855.5
45°	2377.1
47.5°	1926.2
50°	1530.4
52.5°	1161.5
55°	861.0
57.5°	614.9
60°	423.4
62.5°	314.3
65°	232.3
67.5°	177.8
70°	122.8
72.5°	95.8
75°	68.3
77.5°	40.8
80°	27.5
82.5°	13.8
85°	13.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)