

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: P684005

Luminaire Tested: **LX6C130D010 EX6C1309035 6LBMH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C130D010 EX6C1309035 6LBMH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

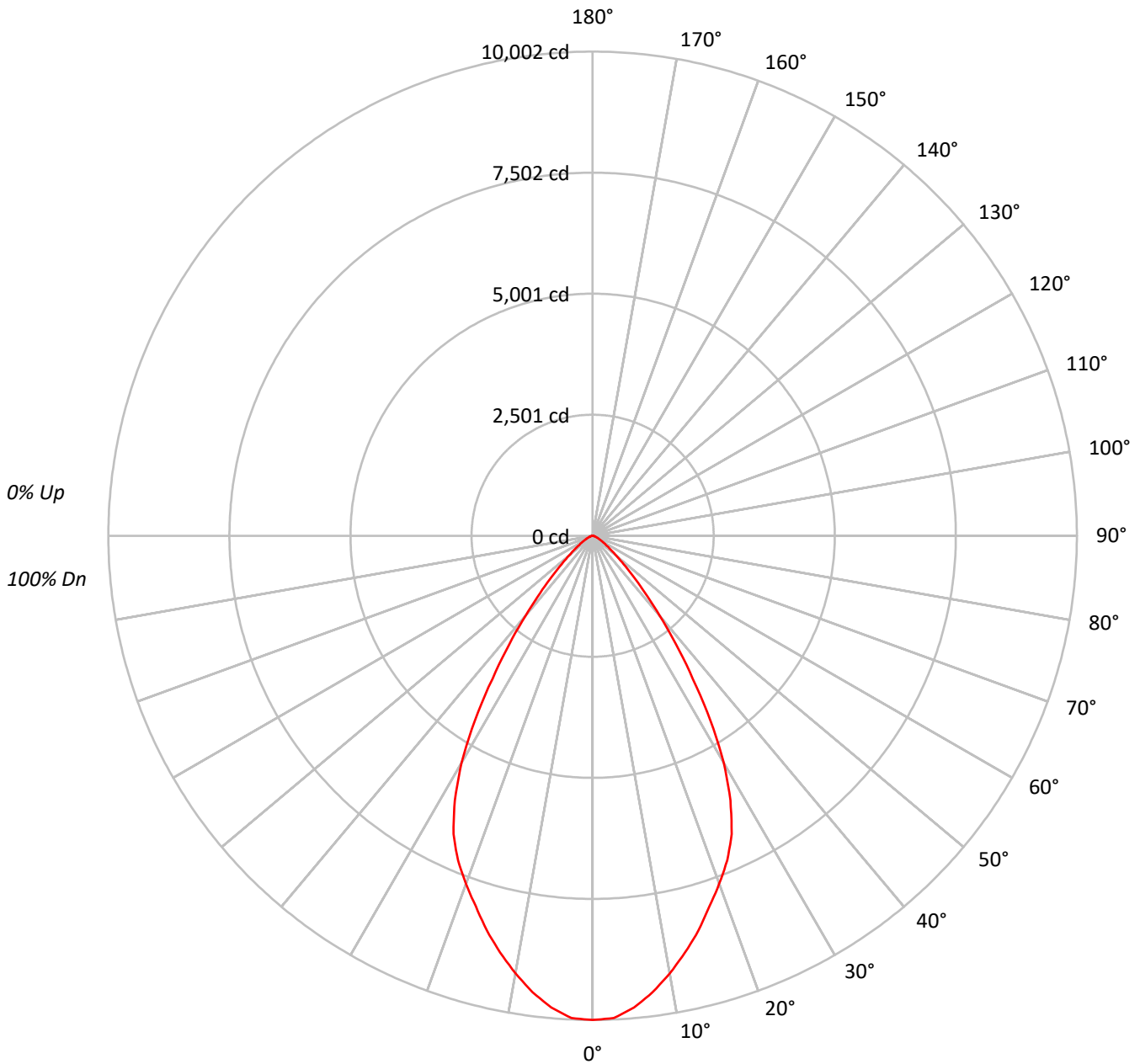
Lumens per Lamp: N/A
Luminaire Lumens: 10106.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	548284
5°	538464
10°	510951
15°	479140
20°	446225
25°	411151
30°	342584
35°	241458
40°	153881
45°	91769
50°	54165
55°	34465
60°	23737
65°	16850
70°	11588
75°	9171
80°	4483
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	914.5	9.0
10°-20°	2365.7	23.4
20°-30°	3065.3	30.3
30°-40°	2275.7	22.5
40°-50°	960.7	9.5
50°-60°	341.1	3.4
60°-70°	131.7	1.3
70°-80°	45.6	0.5
80°-90°	5.8	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°	6345.4	62.8
0°-40°	8621.2	85.3
0°-60°	9923.0	98.2
0°-90°	10106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10106.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10002	
5°	9785	914
15°	8442	2366
25°	6797	3065
35°	3608	2276
45°	1184	961
55°	361	341
65°	130	132
75°	43	46
85°	0	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10001.5
2.5°	9972.4
5°	9785.0
7.5°	9510.4
10°	9178.9
12.5°	8817.8
15°	8442.4
17.5°	8024.3
20°	7648.9
22.5°	7259.3
25°	6797.3
27.5°	6162.2
30°	5412.0
32.5°	4531.4
35°	3608.0
37.5°	2828.8
40°	2150.3
42.5°	1601.8
45°	1183.7
47.5°	865.8
50°	635.1
52.5°	476.2
55°	360.6
57.5°	274.0
60°	216.5
62.5°	158.9
65°	129.9
67.5°	100.8
70°	72.3
72.5°	57.5
75°	43.3
77.5°	29.1
80°	14.2
82.5°	14.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)