

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: P684009

Luminaire Tested: **LX6C130D010 EX6C1309035 6LBWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684009
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: LX6C130D010 EX6C1309035 6LBWH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

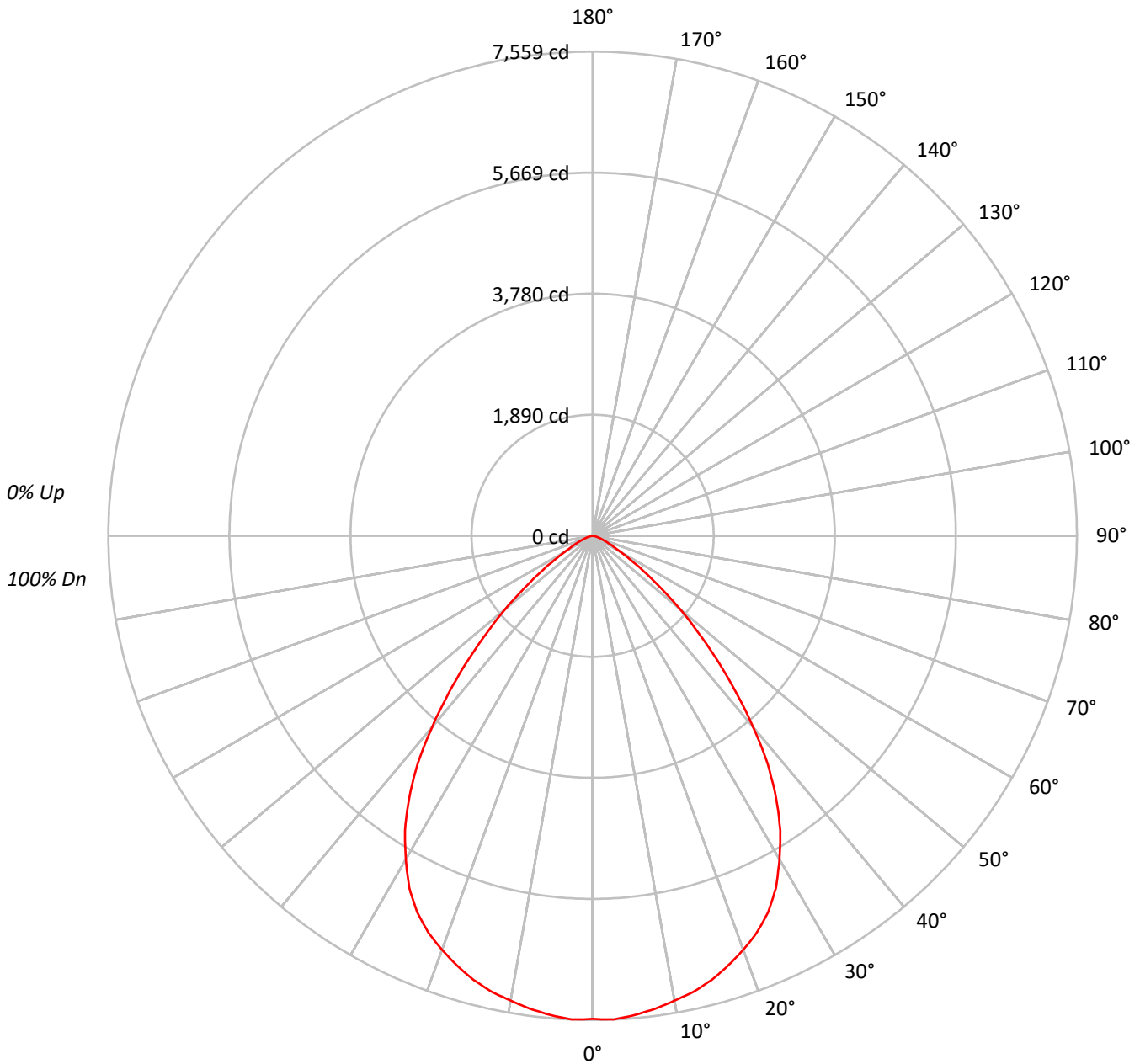
Lumens per Lamp: N/A
Luminaire Lumens: 12230.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	413509
5°	413366
10°	410185
15°	407437
20°	401228
25°	392061
30°	369152
35°	334080
40°	278973
45°	213759
50°	151389
55°	95442
60°	53844
65°	34958
70°	22824
75°	16775
80°	10071
85°	10064



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.5	5.8
10°-20°	2021.6	16.5
20°-30°	2964.1	24.2
30°-40°	3084.9	25.2
40°-50°	2134.3	17.5
50°-60°	929.3	7.6
60°-70°	285.0	2.3
70°-80°	85.4	0.7
80°-90°	13.0	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°	5698.1	46.6
0°-40°	8783.0	71.8
0°-60°	11846.6	96.9
0°-90°	12230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12230.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7543	
5°	7512	712
15°	7179	2022
25°	6482	2964
35°	4992	3085
45°	2757	2134
55°	999	929
65°	270	285
75°	79	85
85°	16	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7543.0
2.5°	7559.0
5°	7511.7
7.5°	7448.5
10°	7368.7
12.5°	7289.5
15°	7179.0
17.5°	7036.0
20°	6877.6
22.5°	6703.3
25°	6481.7
27.5°	6196.3
30°	5831.7
32.5°	5451.2
35°	4992.0
37.5°	4485.0
40°	3898.3
42.5°	3312.1
45°	2757.2
47.5°	2234.3
50°	1775.1
52.5°	1347.3
55°	998.6
57.5°	713.2
60°	491.1
62.5°	364.6
65°	269.5
67.5°	206.2
70°	142.4
72.5°	111.1
75°	79.2
77.5°	47.3
80°	31.9
82.5°	16.0
85°	16.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)