

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: P856592

Luminaire Tested: **LD6C130D010 EU61309050 6LBWLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P856592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C130D010 EU61309050 6LBWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

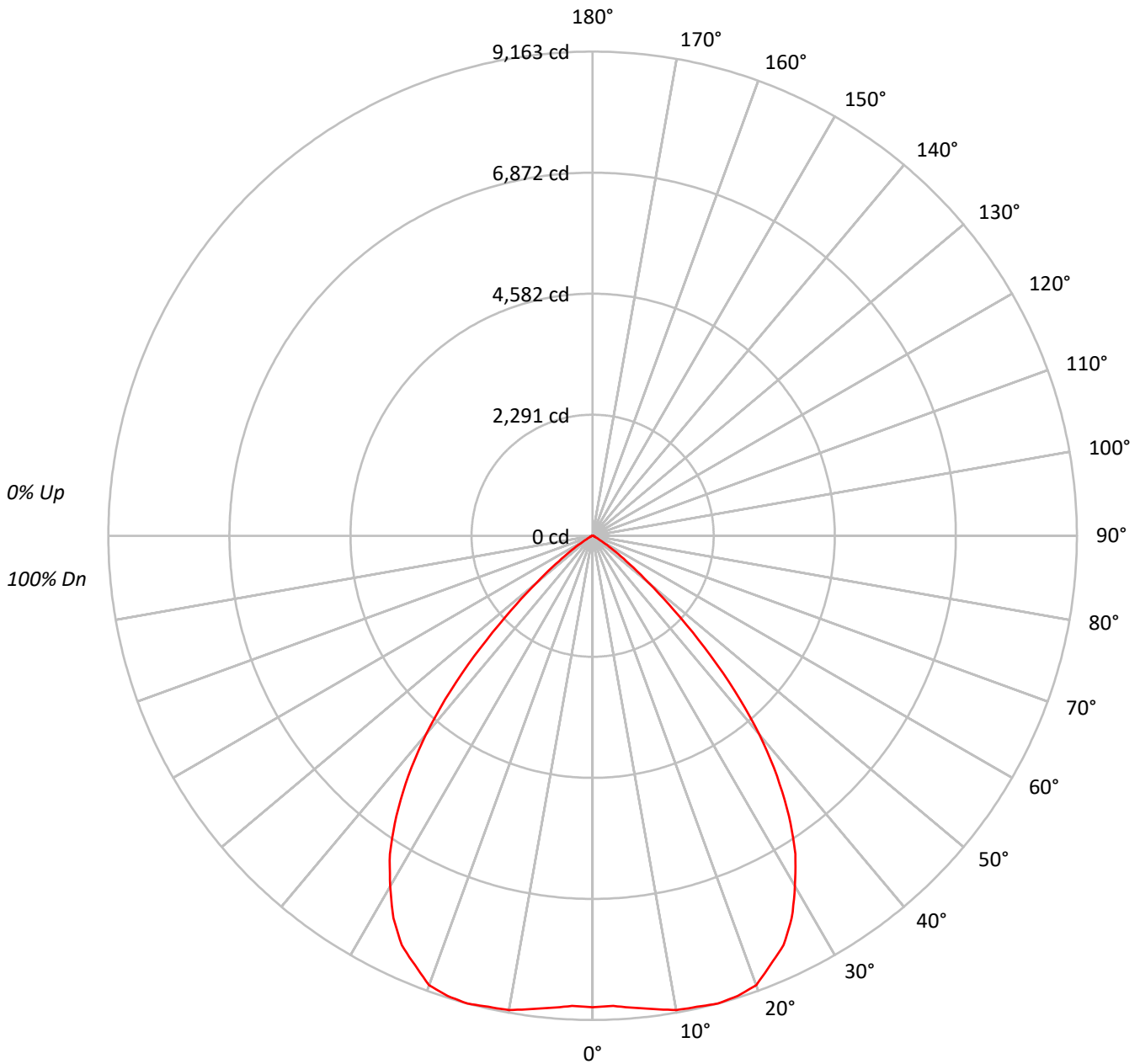
Lumens per Lamp: N/A
Luminaire Lumens: 14279.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	489023
5°	493549
10°	507355
15°	520048
20°	527945
25°	517040
30°	484745
35°	433394
40°	351036
45°	232210
50°	117369
55°	49518
60°	15953
65°	6265
70°	5225
75°	3452
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	860.6	6.0
10°-20°	2586.5	18.1
20°-30°	3899.1	27.3
30°-40°	3990.9	27.9
40°-50°	2325.0	16.3
50°-60°	534.3	3.7
60°-70°	65.5	0.5
70°-80°	17.2	0.1
80°-90°	0.0	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°	7346.2	51.4
0°-40°	11337.1	79.4
0°-60°	14196.3	99.4
0°-90°	14279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14279.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8920	
5°	8969	861
15°	9163	2587
25°	8548	3899
35°	6476	3991
45°	2995	2325
55°	518	534
65°	48	66
75°	16	17
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8920.5
2.5°	8904.2
5°	8968.8
7.5°	9033.4
10°	9114.3
12.5°	9130.6
15°	9163.2
17.5°	9130.6
20°	9049.7
22.5°	8790.6
25°	8547.9
27.5°	8159.6
30°	7657.8
32.5°	7139.6
35°	6476.0
37.5°	5730.8
40°	4905.3
42.5°	3982.6
45°	2995.2
47.5°	2088.2
50°	1376.2
52.5°	874.4
55°	518.1
57.5°	275.4
60°	145.5
62.5°	80.9
65°	48.3
67.5°	48.3
70°	32.6
72.5°	16.3
75°	16.3
77.5°	16.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)