

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: P856588

Luminaire Tested: **LD6C130D010 EU61309027 6LBWLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P856588
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 EU61309027 6LBWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

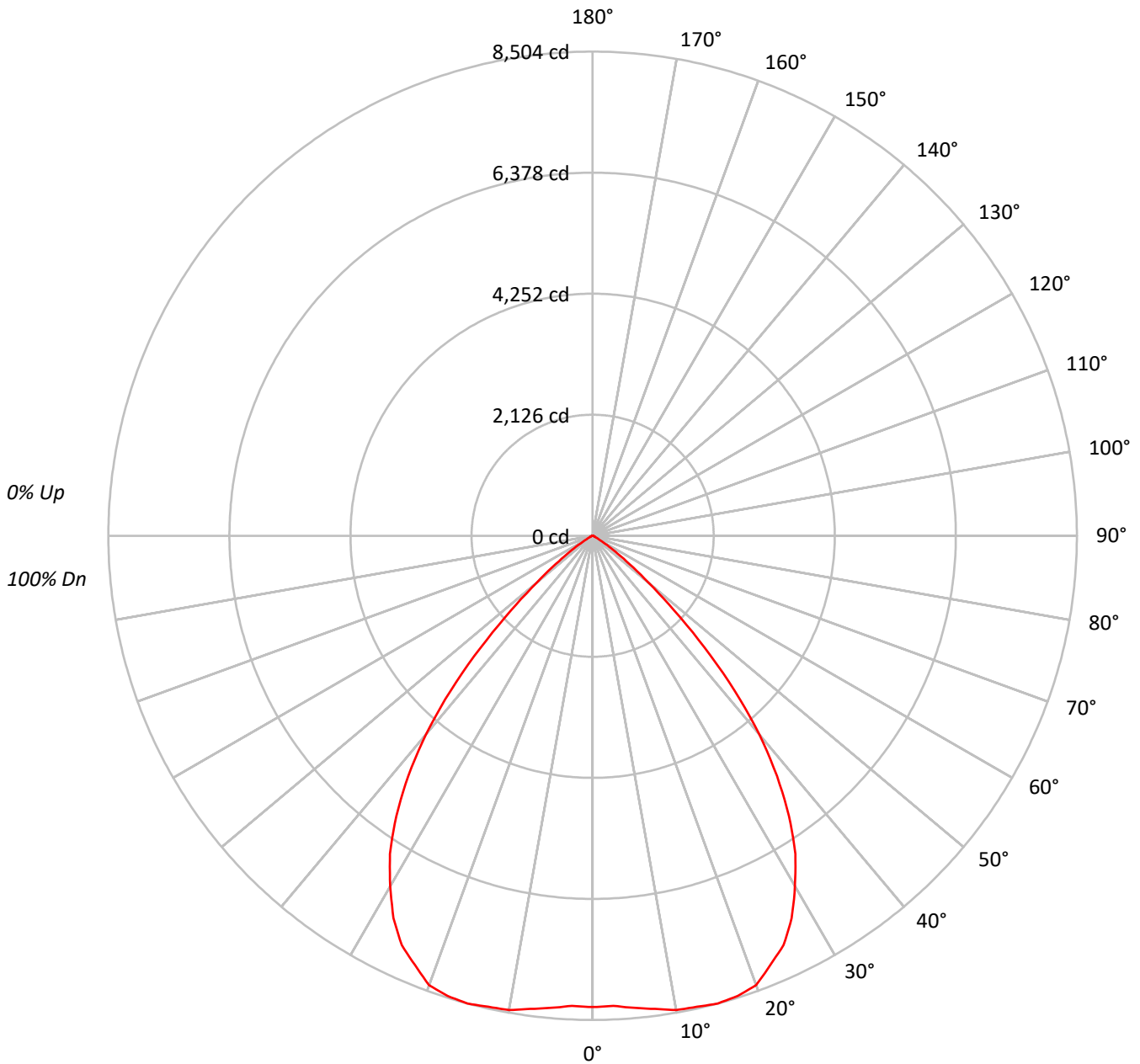
Lumens per Lamp: N/A
Luminaire Lumens: 13250.9 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	453812
5°	458017
10°	470827
15°	482608
20°	489938
25°	479816
30°	449841
35°	402188
40°	325760
45°	215495
50°	108918
55°	45953
60°	14812
65°	5811
70°	4857
75°	3198
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	798.6	6.0
10°-20°	2400.3	18.1
20°-30°	3618.4	27.3
30°-40°	3703.5	27.9
40°-50°	2157.6	16.3
50°-60°	495.8	3.7
60°-70°	60.8	0.5
70°-80°	15.9	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°	6817.3	51.4
0°-40°	10520.8	79.4
0°-60°	13174.2	99.4
0°-90°	13250.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13250.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8278	
5°	8323	799
15°	8504	2400
25°	7932	3618
35°	6010	3704
45°	2780	2158
55°	481	496
65°	45	61
75°	15	16
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8278.2
2.5°	8263.1
5°	8323.1
7.5°	8383.1
10°	8458.1
12.5°	8473.3
15°	8503.5
17.5°	8473.3
20°	8398.2
22.5°	8157.8
25°	7932.5
27.5°	7572.1
30°	7106.4
32.5°	6625.6
35°	6009.7
37.5°	5318.2
40°	4552.1
42.5°	3695.8
45°	2779.6
47.5°	1937.9
50°	1277.1
52.5°	811.5
55°	480.8
57.5°	255.5
60°	135.1
62.5°	75.1
65°	44.8
67.5°	44.8
70°	30.3
72.5°	15.1
75°	15.1
77.5°	15.1
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)