

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: P568285

Luminaire Tested: **LD6C150D010 EU61509027 6LBWGPH**

Issue Date: 10/10/2022



Test Information

Test Method: LM-79-08
Report Number: P568285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 10/10/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C150D010 EU61509027 6LBWGPH
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

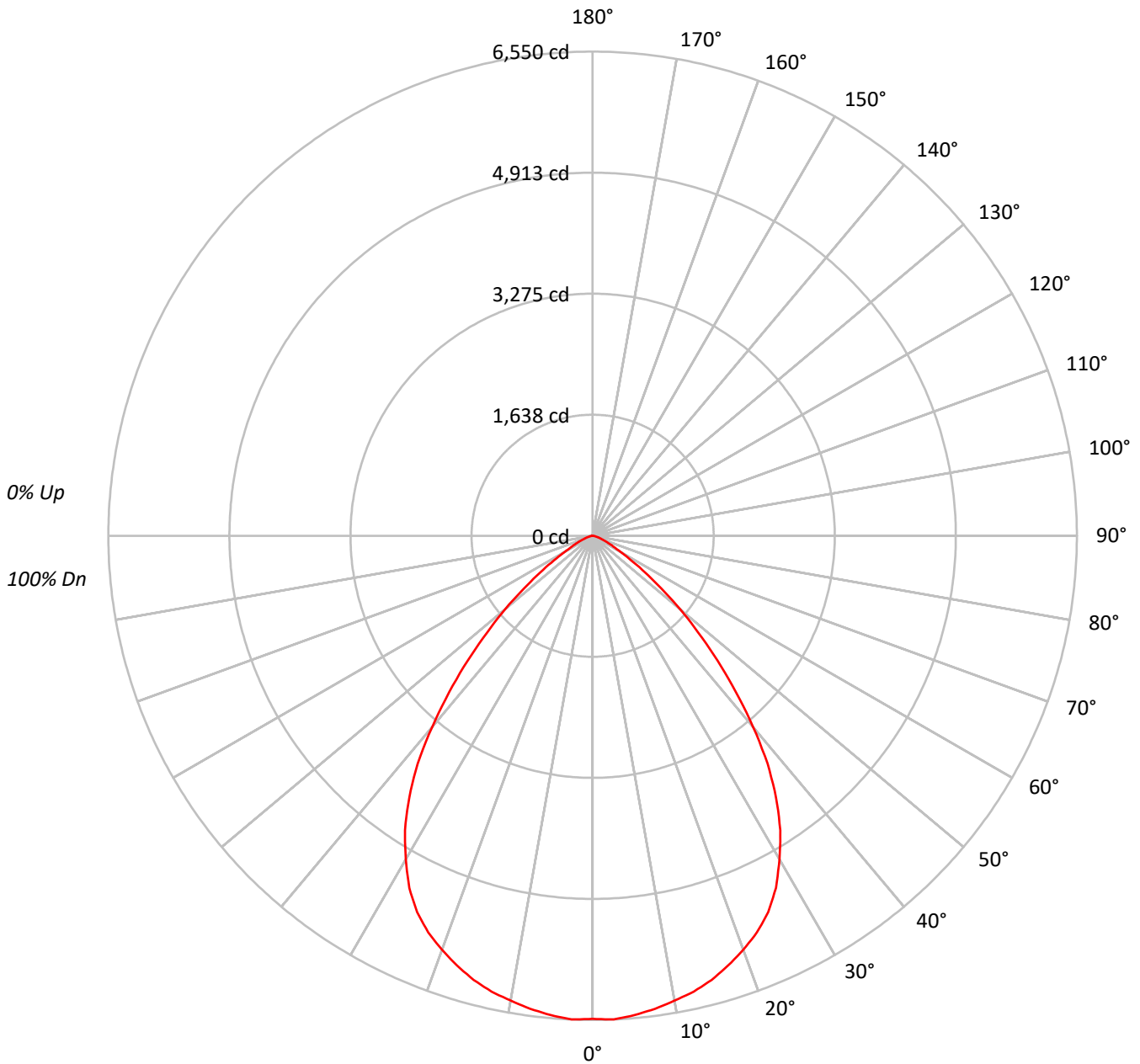
Lumens per Lamp: N/A
Luminaire Lumens: 10597.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 171.1
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°	358294
5°	358171
10°	355415
15°	353033
20°	347656
25°	339715
30°	319859
35°	289476
40°	241717
45°	185221
50°	131177
55°	82702
60°	46652
65°	30289
70°	19779
75°	14530
80°	8713
85°	8680



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.3	5.8
10°-20°	1751.6	16.5
20°-30°	2568.3	24.2
30°-40°	2673.0	25.2
40°-50°	1849.3	17.5
50°-60°	805.2	7.6
60°-70°	246.9	2.3
70°-80°	74.0	0.7
80°-90°	11.3	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°	4937.3	46.6
0°-40°	7610.3	71.8
0°-60°	10264.8	96.9
0°-90°	10597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10597.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6536	
5°	6509	617
15°	6220	1752
25°	5616	2568
35°	4326	2673
45°	2389	1849
55°	865	805
65°	234	247
75°	69	74
85°	14	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6535.8
2.5°	6549.7
5°	6508.7
7.5°	6453.9
10°	6384.8
12.5°	6316.2
15°	6220.4
17.5°	6096.5
20°	5959.3
22.5°	5808.3
25°	5616.3
27.5°	5369.0
30°	5053.0
32.5°	4723.3
35°	4325.5
37.5°	3886.2
40°	3377.7
42.5°	2869.8
45°	2389.1
47.5°	1935.9
50°	1538.1
52.5°	1167.4
55°	865.3
57.5°	618.0
60°	425.5
62.5°	315.9
65°	233.5
67.5°	178.7
70°	123.4
72.5°	96.3
75°	68.6
77.5°	41.0
80°	27.6
82.5°	13.8
85°	13.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)