

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: P563924

Luminaire Tested: **LX6C25D010 EX6C259030 6LBWH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P563924  
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: LX6C25D010 EX6C259030 6LBWH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBW TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

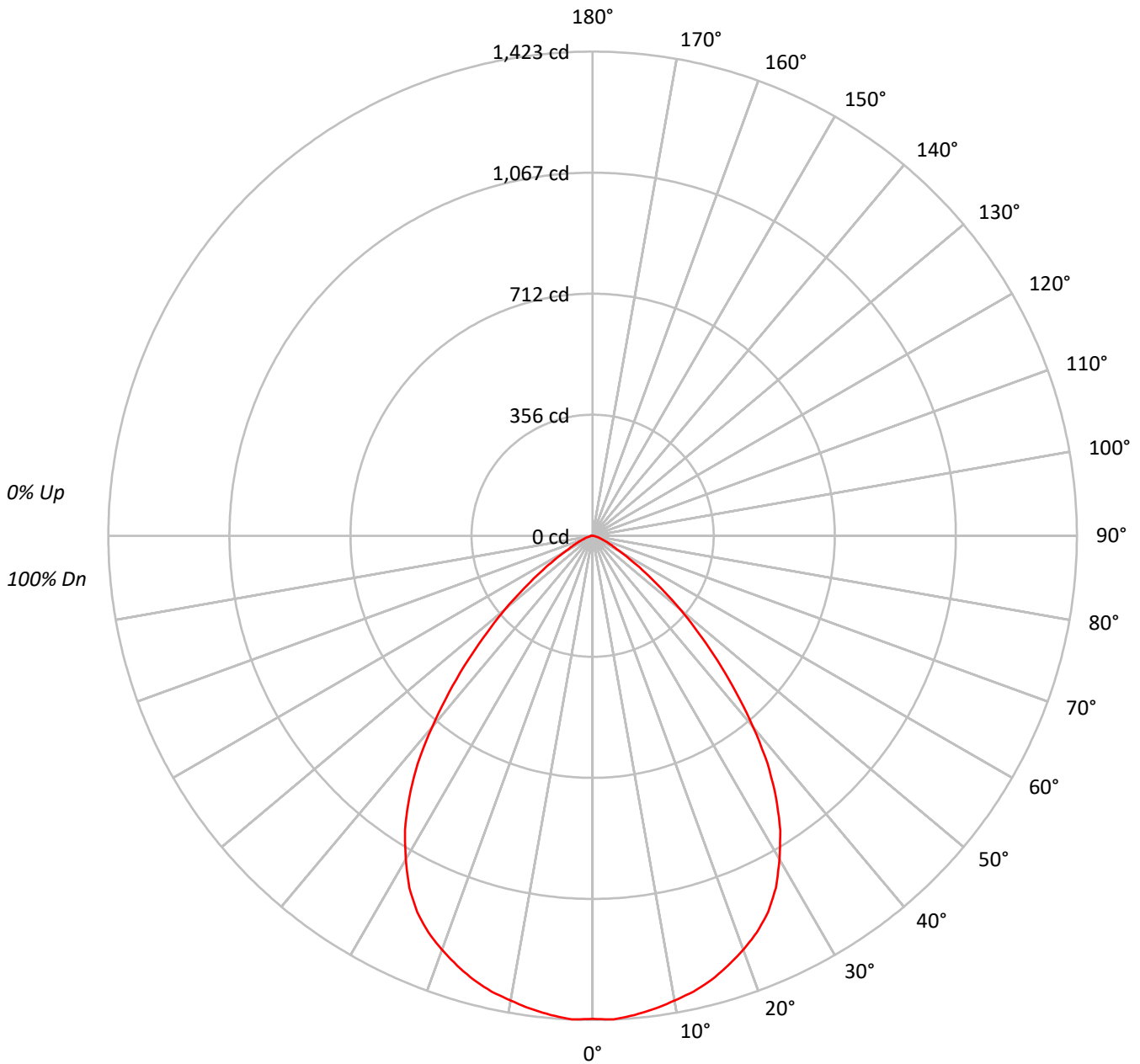
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2302.1 lumens  
Efficiency: N/A  
Efficacy: 73.1 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): 31.5  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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°	77828
5°	77801
10°	77209
15°	76686
20°	75519
25°	73795
30°	69485
35°	62881
40°	52506
45°	40237
50°	28502
55°	17968
60°	10142
65°	6590
70°	4312
75°	3177
80°	1894
85°	1950



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.1	5.8
10°-20°	380.5	16.5
20°-30°	557.9	24.2
30°-40°	580.6	25.2
40°-50°	401.7	17.4
50°-60°	175.0	7.6
60°-70°	53.7	2.3
70°-80°	16.1	0.7
80°-90°	2.5	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°	1072.5	46.6
0°-40°	1653.1	71.8
0°-60°	2229.8	96.9
0°-90°	2302.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2302.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1420	
5°	1414	134
15°	1351	380
25°	1220	558
35°	940	581
45°	519	402
55°	188	175
65°	51	54
75°	15	16
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1419.7
2.5°	1422.8
5°	1413.8
7.5°	1401.9
10°	1387.0
12.5°	1372.0
15°	1351.2
17.5°	1324.3
20°	1294.5
22.5°	1261.7
25°	1220.0
27.5°	1166.2
30°	1097.7
32.5°	1026.0
35°	939.6
37.5°	844.2
40°	733.7
42.5°	623.4
45°	519.0
47.5°	420.5
50°	334.2
52.5°	253.6
55°	188.0
57.5°	134.3
60°	92.5
62.5°	68.7
65°	50.8
67.5°	38.9
70°	26.9
72.5°	21.0
75°	15.0
77.5°	8.8
80°	6.0
82.5°	3.1
85°	3.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)