

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: P563922

Luminaire Tested: **LX6C25D010 EX6C259030 6LBNH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P563922  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C25D010 EX6C259030 6LBNH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBN TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

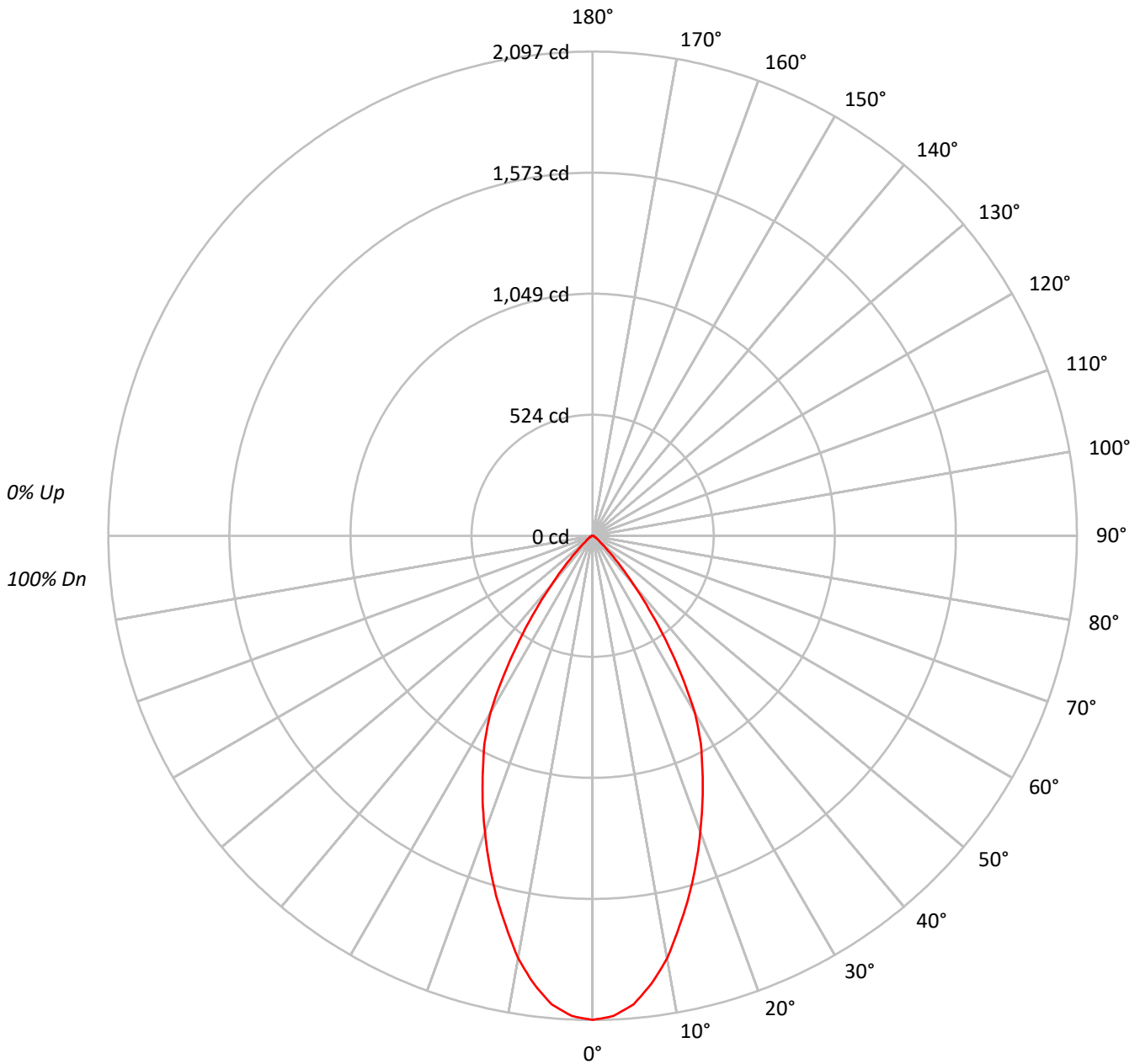
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1635.6 lumens  
Efficiency: N/A  
Efficacy: 51.9 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
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			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	114947
5°	112095
10°	103433
15°	91578
20°	79509
25°	68012
30°	56072
35°	36921
40°	19851
45°	8784
50°	3565
55°	2571
60°	1634
65°	1167
70°	962
75°	614
80°	916
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	188.5	11.5
10°-20°	449.6	27.5
20°-30°	515.1	31.5
30°-40°	346.1	21.2
40°-50°	98.9	6.0
50°-60°	24.2	1.5
60°-70°	9.2	0.6
70°-80°	3.5	0.2
80°-90°	0.4	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°	1153.3	70.5
0°-40°	1499.4	91.7
0°-60°	1622.5	99.2
0°-90°	1635.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1635.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2097	
5°	2037	189
15°	1614	450
25°	1124	515
35°	552	346
45°	113	99
55°	27	24
65°	9	9
75°	3	3
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2096.8
2.5°	2081.9
5°	2037.0
7.5°	1956.5
10°	1858.1
12.5°	1732.8
15°	1613.6
17.5°	1488.4
20°	1362.9
22.5°	1243.7
25°	1124.4
27.5°	1014.0
30°	885.8
32.5°	715.8
35°	551.7
37.5°	402.6
40°	277.4
42.5°	181.9
45°	113.3
47.5°	68.6
50°	41.8
52.5°	32.8
55°	26.9
57.5°	20.9
60°	14.9
62.5°	11.9
65°	9.0
67.5°	6.0
70°	6.0
72.5°	2.9
75°	2.9
77.5°	2.9
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)