

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: P858227

Luminaire Tested: **LX4C45D010 EX4C459830 4LBSH**

Issue Date: 2/14/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858227  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205729)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/14/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C45D010 EX4C459830 4LBSH  
Description:  
Light Source: -  
Ballast/Driver: -

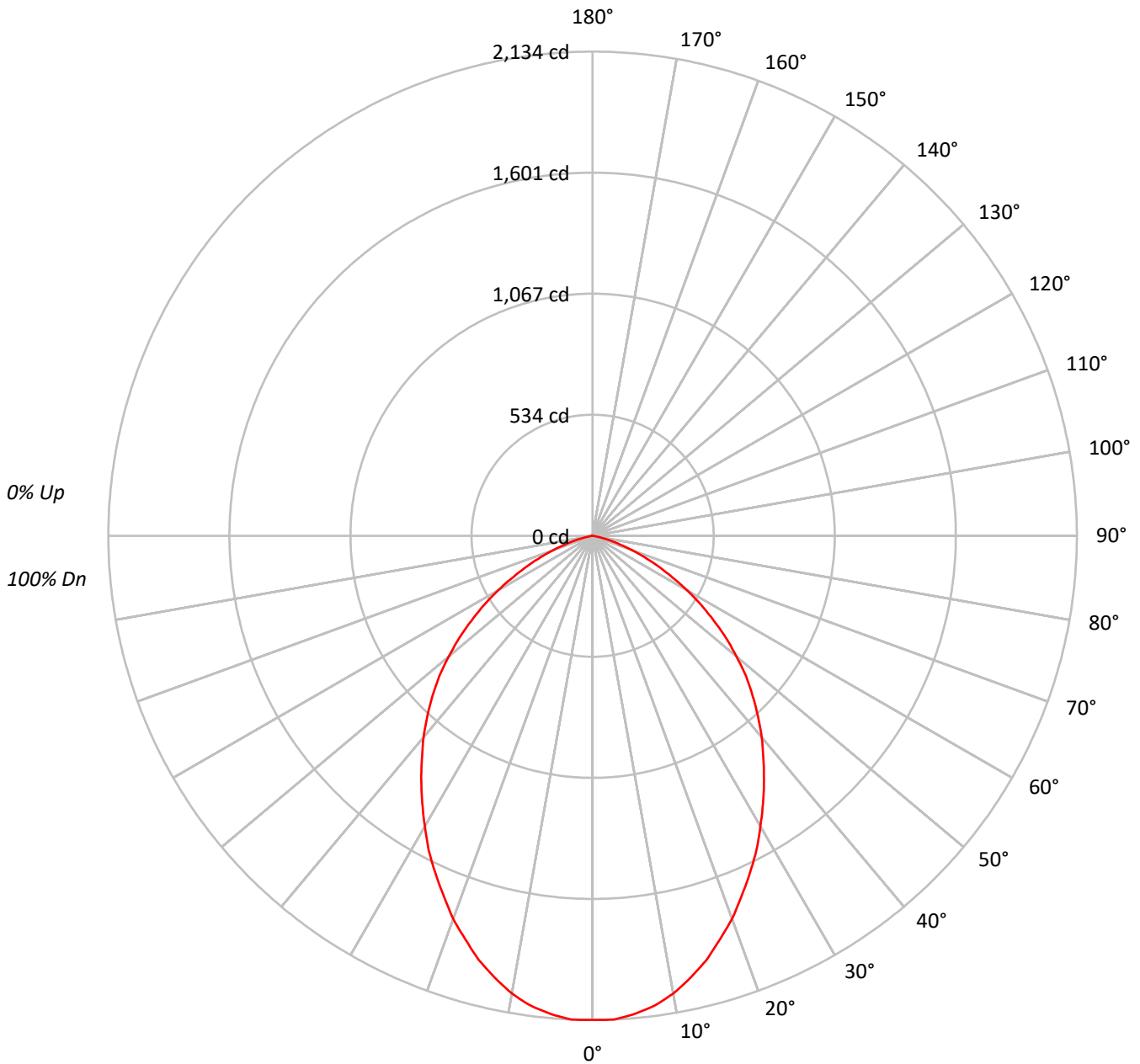
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4080.6 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 49.6  
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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	102	96	90	85	100	94	88	84	90	86	82	87	83	80	84	81	79	77			
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51			
6	75	63	55	49	73	62	54	49	60	54	49	59	53	48	57	52	48	46			
7	70	58	50	44	68	57	49	44	55	49	44	54	48	43	53	47	43	41			
8	65	53	45	40	64	52	45	40	51	44	39	50	44	39	49	43	39	37			
9	61	49	41	36	60	48	41	36	47	40	36	46	40	36	45	40	35	34			
10	58	45	38	33	56	45	38	33	44	37	33	43	37	33	42	37	33	31			

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

	0°
0°	262182
5°	260976
10°	255585
15°	246298
20°	234949
25°	222295
30°	209696
35°	197429
40°	185905
45°	173289
50°	158004
55°	139544
60°	118111
65°	92732
70°	66165
75°	36265
80°	6367
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.9	4.9
10°-20°	543.3	13.3
20°-30°	754.6	18.5
30°-40°	823.4	20.2
40°-50°	768.1	18.8
50°-60°	583.0	14.3
60°-70°	319.2	7.8
70°-80°	87.8	2.2
80°-90°	1.2	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°	1497.8	36.7
0°-40°	2321.2	56.9
0°-60°	3672.3	90.0
0°-90°	4080.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4080.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2134	
5°	2116	200
15°	1936	543
25°	1640	755
35°	1316	823
45°	997	768
55°	652	583
65°	319	319
75°	76	88
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2134.1
2.5°	2134.1
5°	2116.2
7.5°	2089.3
10°	2048.8
12.5°	1994.9
15°	1936.5
17.5°	1864.6
20°	1797.1
22.5°	1716.3
25°	1639.9
27.5°	1563.6
30°	1478.2
32.5°	1397.3
35°	1316.4
37.5°	1235.5
40°	1159.2
42.5°	1078.3
45°	997.4
47.5°	916.5
50°	826.7
52.5°	741.3
55°	651.5
57.5°	566.1
60°	480.7
62.5°	395.4
65°	319.0
67.5°	247.1
70°	184.2
72.5°	125.8
75°	76.4
77.5°	35.9
80°	9.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)