

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: CORELITE

Report Number: P737730

Luminaire Tested: **14PT-20-PP3-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PP3-L850  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

**Summary**

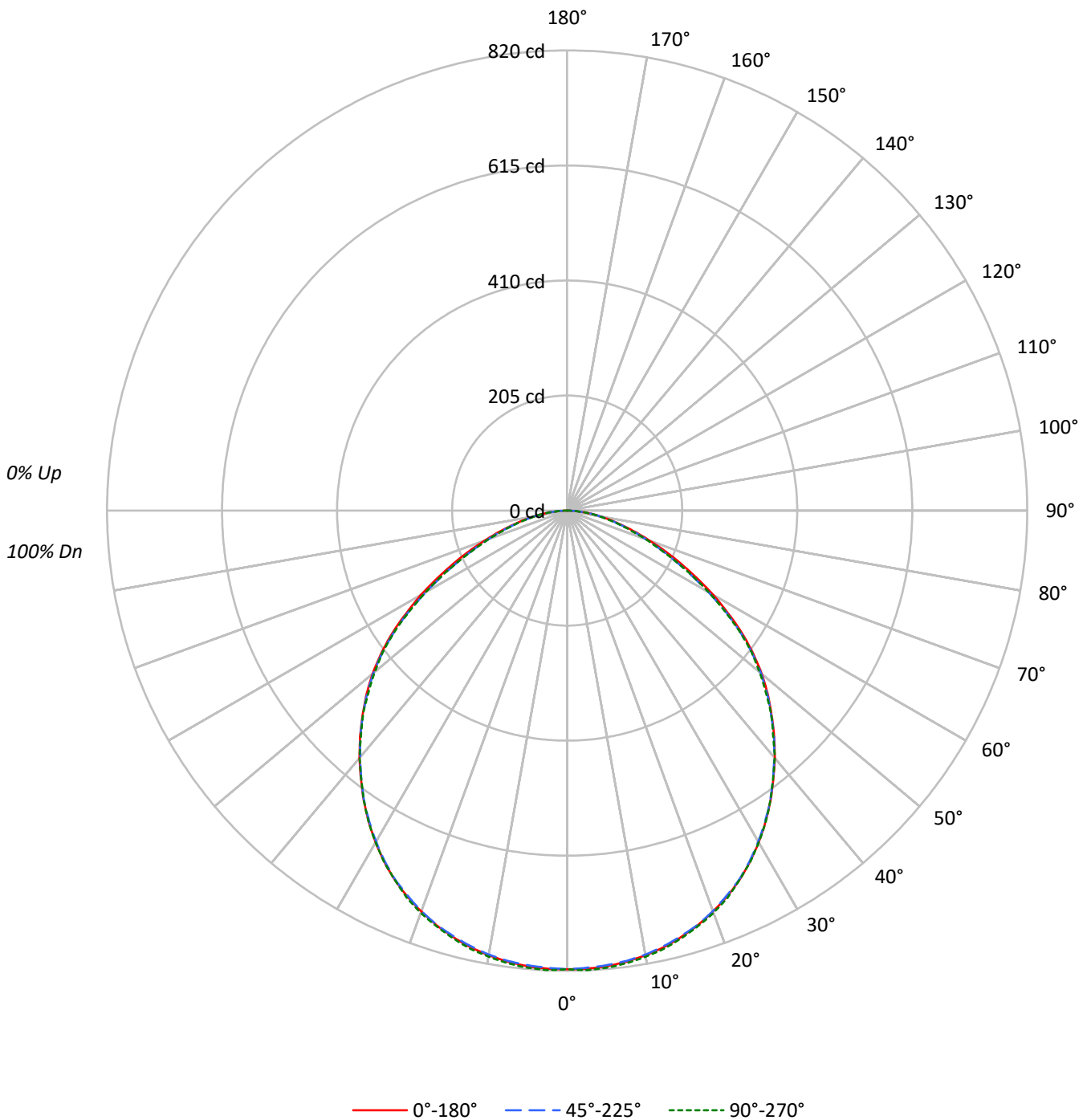
Lumens per Lamp: N/A  
Luminaire Lumens: 2112.0 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 16.2  
Input Voltage (V): NR  
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

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

	0°	45°	90°
0°	2451	2451	2451
5°	2453	2447	2461
10°	2449	2446	2458
15°	2441	2437	2448
20°	2425	2423	2434
25°	2404	2400	2403
30°	2363	2358	2363
35°	2312	2309	2311
40°	2253	2246	2252
45°	2185	2179	2181
50°	2112	2102	2087
55°	1988	1965	1959
60°	1804	1744	1747
65°	1585	1505	1503
70°	1371	1308	1293
75°	1186	1141	1117
80°	1050	1034	989
85°	867	898	846



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.5	3.7
10°-20°	222.1	10.5
20°-30°	334.3	15.8
30°-40°	394.6	18.7
40°-50°	396.9	18.8
50°-60°	335.0	15.9
60°-70°	215.2	10.2
70°-80°	107.0	5.1
80°-90°	29.3	1.4
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°	633.9	30.0
0°-40°	1028.6	48.7
0°-60°	1760.5	83.4
0°-90°	2112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2112.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	817	817	817	817	817	
5°	815	815	813	817	818	77
15°	786	787	785	789	789	222
25°	727	727	725	727	726	334
35°	632	632	631	631	631	395
45°	515	517	514	514	514	398
55°	380	380	376	374	375	338
65°	223	220	212	210	212	223
75°	102	102	98	98	96	111
85°	25	26	26	25	25	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	817.4	817.4	817.4	817.4	817.4
2.5°	817.1	817.4	815.3	819.2	819.8
5°	815.0	815.3	813.2	817.1	817.7
7.5°	810.9	811.2	809.4	812.9	813.5
10°	804.6	805.5	803.4	806.7	807.3
12.5°	796.9	797.2	795.1	799.0	799.6
15°	786.5	786.8	785.0	788.6	788.6
17.5°	774.7	775.0	773.8	776.7	776.4
20°	760.1	761.0	759.5	761.6	762.8
22.5°	744.4	744.7	742.9	745.6	746.8
25°	726.6	726.9	725.4	726.9	726.3
27.5°	705.8	706.4	704.3	705.8	706.1
30°	682.7	684.2	681.2	682.4	682.7
32.5°	657.8	658.7	656.6	656.9	658.4
35°	631.7	632.0	630.8	631.4	631.4
37.5°	603.5	604.7	602.9	603.8	602.6
40°	575.6	574.4	573.8	574.4	575.3
42.5°	546.2	546.5	545.6	545.0	543.5
45°	515.4	517.1	513.9	514.5	514.5
47.5°	485.1	485.4	483.6	481.8	480.6
50°	452.8	452.8	450.7	449.2	447.4
52.5°	417.4	416.9	414.5	413.0	413.9
55°	380.4	380.1	375.9	374.4	374.7
57.5°	339.7	340.3	334.1	332.6	332.6
60°	300.8	297.9	290.8	288.7	291.4
62.5°	260.2	256.6	248.9	248.9	251.0
65°	223.4	220.1	212.1	210.1	211.8
67.5°	189.0	186.0	178.6	177.4	178.0
70°	156.4	153.7	149.2	146.6	147.5
72.5°	128.2	125.8	122.8	120.8	119.6
75°	102.4	101.8	98.5	97.6	96.4
77.5°	81.0	80.7	78.0	76.8	75.7
80°	60.8	60.5	59.9	58.2	57.3
82.5°	43.3	43.3	43.0	41.5	40.6
85°	25.2	26.1	26.1	24.6	24.6
87.5°	10.1	10.7	10.1	10.1	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)