

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: P738034

Luminaire Tested: **22PT-20-PB1-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-20-PB1-L850  
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -  
Ballast/Driver: -

**Summary**

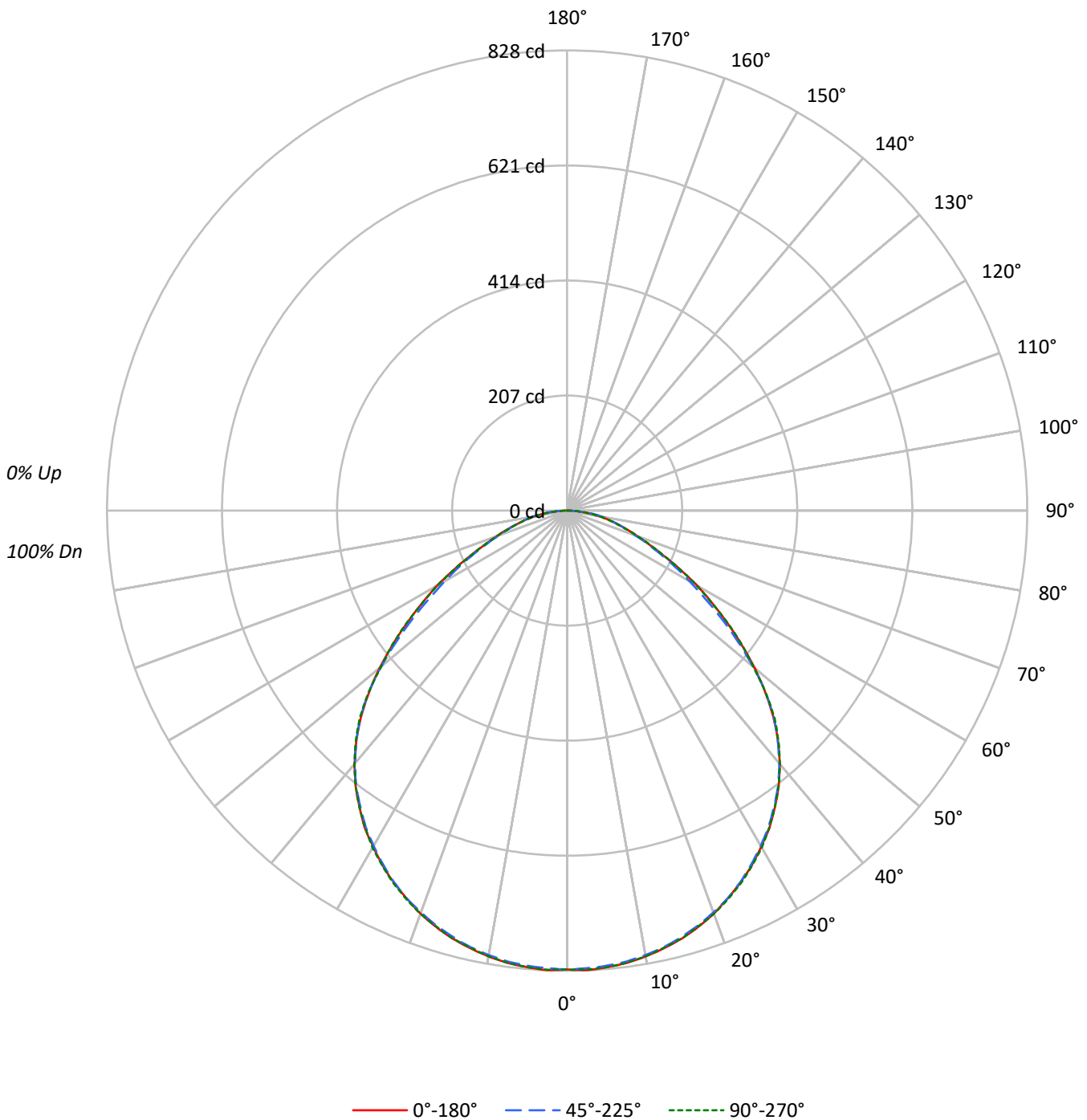
Lumens per Lamp: N/A  
Luminaire Lumens: 2082.0 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.8  
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

TEST NUMBER: P738034

CATALOG NUMBER: 22PT-20-PB1-L850

### 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

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

	0°	45°	90°
0°	2420	2420	2420
5°	2426	2418	2426
10°	2424	2416	2423
15°	2418	2409	2417
20°	2406	2399	2407
25°	2387	2384	2392
30°	2362	2357	2369
35°	2331	2322	2331
40°	2277	2271	2279
45°	2174	2178	2187
50°	2008	1991	1994
55°	1794	1734	1801
60°	1583	1487	1573
65°	1326	1285	1326
70°	1151	1119	1156
75°	1048	1064	1048
80°	985	1070	990
85°	857	1049	881



TEST NUMBER: P738034

CATALOG NUMBER: 22PT-20-PB1-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.3	3.8
10°-20°	224.5	10.8
20°-30°	340.0	16.3
30°-40°	406.7	19.5
40°-50°	402.6	19.3
50°-60°	309.6	14.9
60°-70°	188.5	9.1
70°-80°	99.8	4.8
80°-90°	31.9	1.5
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°	642.9	30.9
0°-40°	1049.5	50.4
0°-60°	1761.8	84.6
0°-90°	2082.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2082.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	826	826	826	826	826	
5°	825	824	822	823	825	78
15°	797	796	794	796	797	225
25°	738	738	738	738	740	340
35°	652	651	649	651	652	407
45°	525	525	526	526	528	403
55°	351	346	339	345	352	315
65°	191	187	185	185	191	193
75°	93	93	94	93	93	99
85°	26	29	31	30	26	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	825.8	825.8	825.8	825.8	825.8
2.5°	827.8	826.4	824.1	825.8	826.8
5°	824.8	824.4	822.1	823.4	824.8
7.5°	821.1	820.1	818.4	819.7	820.7
10°	814.7	814.0	812.0	813.7	814.4
12.5°	806.6	806.0	804.6	806.0	805.6
15°	797.2	795.9	794.2	795.9	796.9
17.5°	785.5	784.1	782.8	783.8	784.5
20°	771.7	769.7	769.4	770.7	772.1
22.5°	755.3	755.3	754.9	755.9	756.6
25°	738.2	737.5	737.5	738.5	739.8
27.5°	719.7	718.4	717.7	719.4	720.4
30°	698.2	697.9	696.5	699.2	700.2
32.5°	677.4	674.0	674.7	676.1	676.4
35°	651.6	650.9	649.2	651.2	651.6
37.5°	625.4	625.0	624.0	624.7	625.0
40°	595.2	594.8	593.8	595.2	595.8
42.5°	561.6	560.9	560.9	561.9	562.9
45°	524.7	525.0	525.7	526.0	527.7
47.5°	483.4	484.0	484.7	484.0	484.4
50°	440.4	440.1	436.7	439.1	437.4
52.5°	395.1	390.1	387.4	392.7	396.4
55°	351.1	346.4	339.4	345.4	352.5
57.5°	308.8	300.8	293.4	300.4	307.5
60°	270.2	257.8	253.8	258.1	268.5
62.5°	228.9	220.2	218.9	219.5	228.6
65°	191.3	186.6	185.3	185.0	191.3
67.5°	160.5	157.4	155.8	157.1	161.1
70°	134.3	132.9	130.6	132.9	134.9
72.5°	112.8	112.5	110.4	112.5	111.8
75°	92.6	92.6	94.0	93.3	92.6
77.5°	75.5	76.2	78.5	76.5	74.5
80°	58.4	60.1	63.4	60.4	58.7
82.5°	41.6	45.3	49.0	45.3	43.0
85°	25.5	29.2	31.2	29.5	26.2
87.5°	11.1	13.1	13.8	12.8	11.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)