

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: P737746

Luminaire Tested: **14PT-20-PW1-L850**

Issue Date: 2/8/2024



**Test Information**

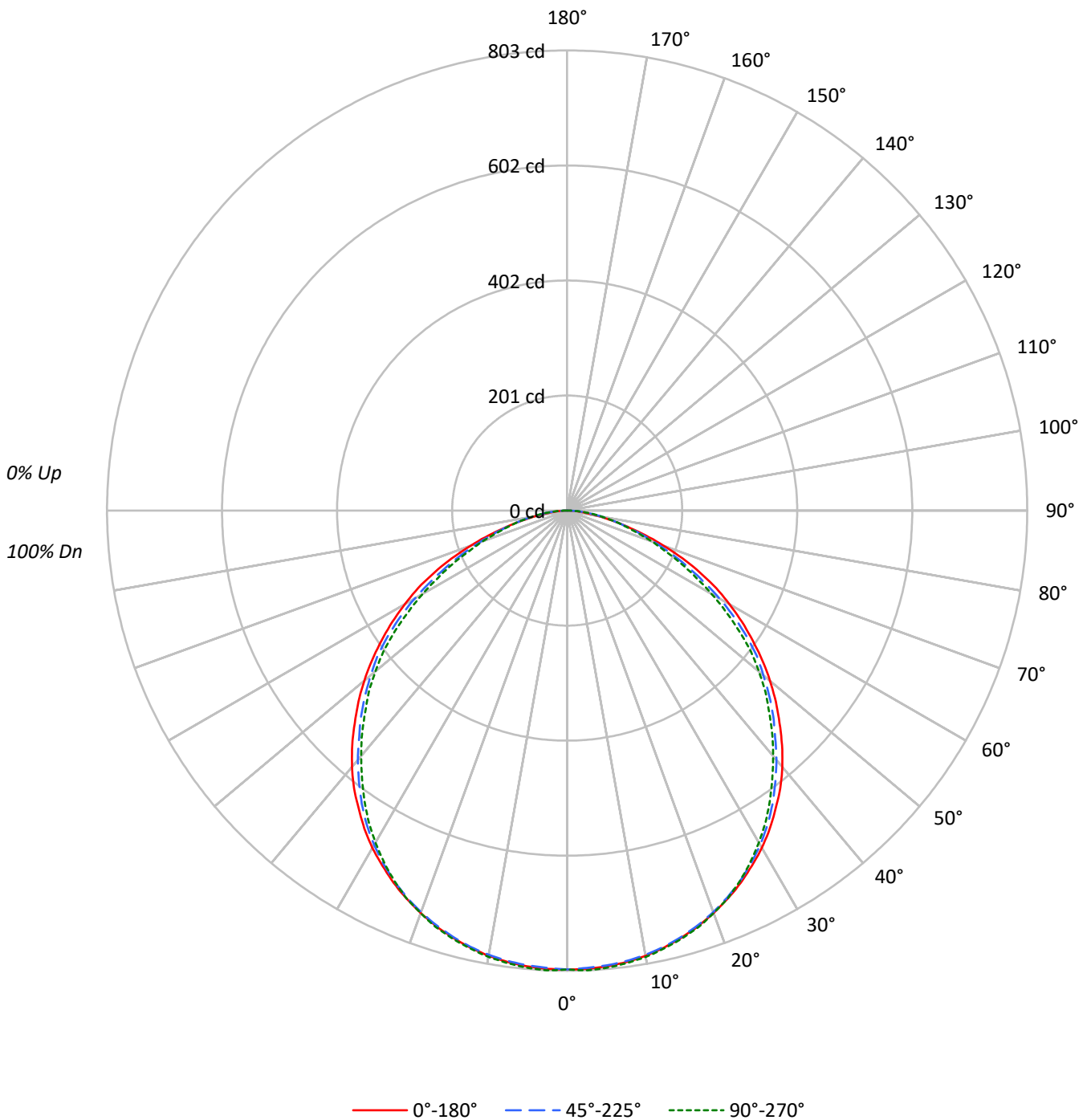
Test Method: LM-79-08  
Report Number: P737746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PW1-L850  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2125.0 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 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

TEST NUMBER: P737746  
CATALOG NUMBER: 14PT-20-PW1-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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	2401	2401	2401
5°	2403	2397	2410
10°	2402	2396	2408
15°	2394	2391	2400
20°	2385	2379	2385
25°	2371	2361	2359
30°	2353	2333	2316
35°	2322	2287	2257
40°	2286	2224	2189
45°	2223	2157	2113
50°	2156	2085	2037
55°	2066	1996	1917
60°	1959	1843	1747
65°	1813	1646	1564
70°	1571	1433	1378
75°	1255	1227	1193
80°	953	1065	1065
85°	705	908	908



TEST NUMBER: P737746

CATALOG NUMBER: 14PT-20-PW1-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.9	3.6
10°-20°	217.8	10.2
20°-30°	329.2	15.5
30°-40°	390.9	18.4
40°-50°	393.8	18.5
50°-60°	340.4	16.0
60°-70°	232.6	10.9
70°-80°	114.7	5.4
80°-90°	29.7	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°	622.9	29.3
0°-40°	1013.8	47.7
0°-60°	1748.0	82.3
0°-90°	2125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2125.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	798	799	797	800	801	76
15°	771	772	770	773	773	218
25°	717	716	714	714	713	330
35°	634	632	625	619	617	397
45°	524	519	509	503	498	405
55°	395	394	382	371	367	353
65°	256	246	232	222	220	252
75°	108	107	106	106	103	118
85°	20	24	26	27	26	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	800.8	800.8	800.8	800.8	800.8
2.5°	800.5	800.8	798.7	802.3	803.1
5°	798.4	798.7	796.6	799.9	800.8
7.5°	794.5	795.1	792.8	796.0	796.6
10°	788.9	789.2	787.1	790.4	791.0
12.5°	781.2	781.5	779.7	782.7	782.7
15°	771.4	772.3	770.2	772.9	773.2
17.5°	760.4	760.7	758.6	761.6	762.2
20°	747.4	747.4	745.6	748.0	747.4
22.5°	732.8	732.8	730.7	731.9	732.5
25°	716.8	716.2	713.8	714.4	713.2
27.5°	698.4	698.4	694.3	694.3	692.2
30°	679.7	678.2	673.8	671.1	669.0
32.5°	658.4	656.3	650.6	645.9	644.4
35°	634.3	632.2	624.8	619.2	616.8
37.5°	611.2	606.4	596.6	591.0	588.3
40°	584.2	578.2	568.2	560.4	559.3
42.5°	555.1	550.4	537.3	531.7	530.2
45°	524.3	518.6	508.8	502.9	498.4
47.5°	494.0	489.8	478.6	471.4	470.0
50°	462.2	458.7	447.1	439.4	436.7
52.5°	429.3	426.9	417.1	407.4	404.1
55°	395.2	394.0	381.8	370.6	366.7
57.5°	361.7	360.2	345.1	332.0	328.4
60°	326.7	322.2	307.4	295.2	291.4
62.5°	293.4	283.9	267.9	258.4	254.0
65°	255.5	246.3	232.0	221.9	220.4
67.5°	218.1	207.1	196.1	189.9	185.1
70°	179.2	171.8	163.5	158.1	157.2
72.5°	143.0	137.7	133.5	130.2	127.6
75°	108.3	107.4	105.9	105.9	103.0
77.5°	79.5	81.6	82.8	82.5	83.1
80°	55.2	59.3	61.7	62.0	61.7
82.5°	35.0	39.8	43.6	44.2	44.8
85°	20.5	24.0	26.4	27.0	26.4
87.5°	9.2	11.6	12.2	12.8	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)