

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: P737748

Luminaire Tested: **14PT-20-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

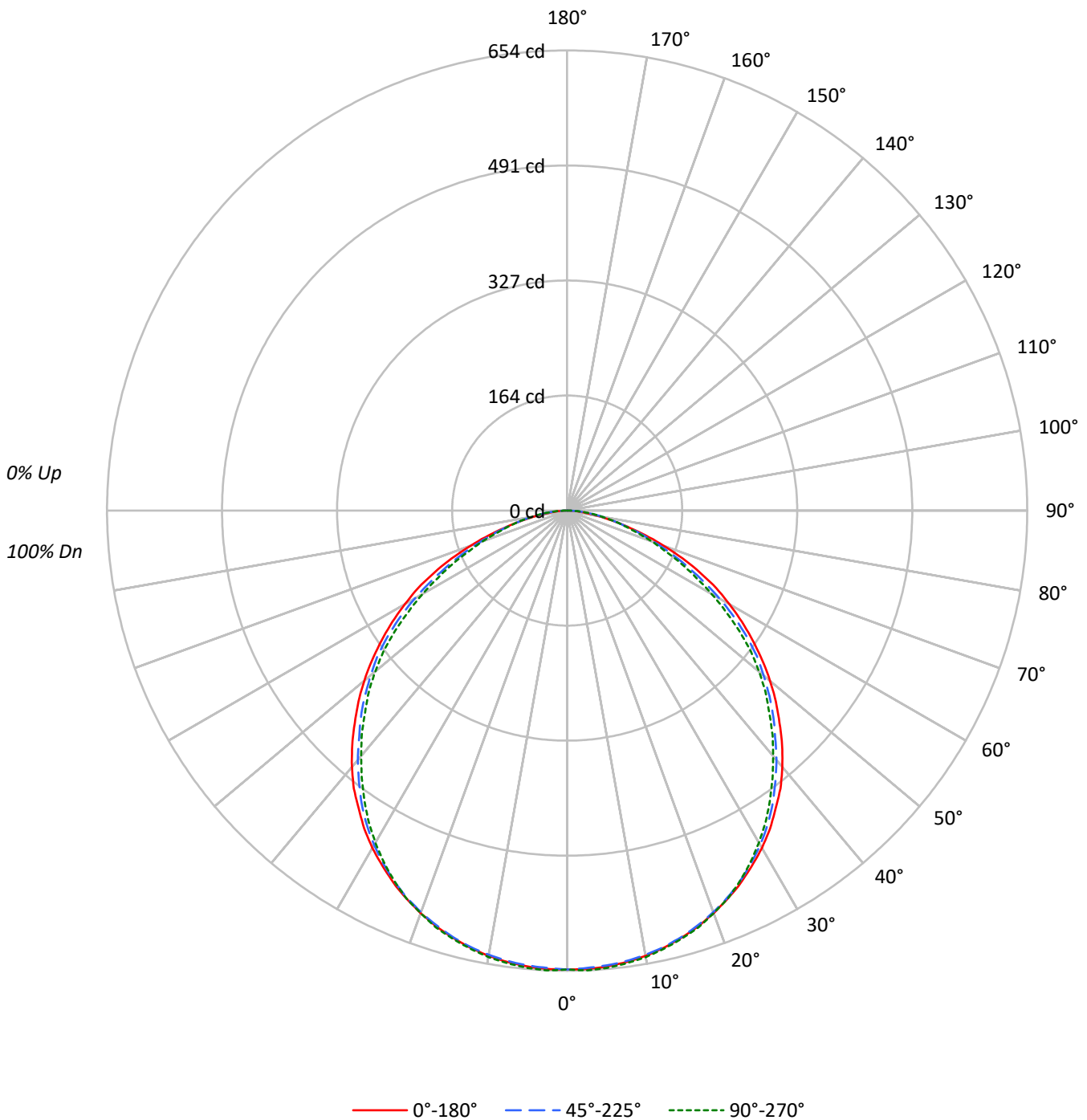
Test Method: LM-79-08  
Report Number: P737748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-20-PW1-L935  
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1731.0 lumens  
Efficiency: N/A  
Efficacy: 106.9 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

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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	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°	1956	1956	1956
5°	1957	1953	1963
10°	1956	1952	1961
15°	1950	1947	1955
20°	1942	1938	1942
25°	1932	1924	1922
30°	1917	1900	1887
35°	1891	1863	1839
40°	1863	1811	1783
45°	1810	1757	1721
50°	1756	1699	1660
55°	1683	1626	1561
60°	1596	1501	1423
65°	1476	1341	1274
70°	1280	1168	1123
75°	1022	1000	972
80°	777	868	868
85°	574	740	740



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.9	3.6
10°-20°	177.4	10.2
20°-30°	268.1	15.5
30°-40°	318.4	18.4
40°-50°	320.8	18.5
50°-60°	277.3	16.0
60°-70°	189.5	10.9
70°-80°	93.5	5.4
80°-90°	24.2	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°	507.4	29.3
0°-40°	825.8	47.7
0°-60°	1423.9	82.3
0°-90°	1731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1731.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	650	651	649	652	652	62
15°	628	629	627	630	630	177
25°	584	583	582	582	581	269
35°	517	515	509	504	502	323
45°	427	422	414	410	406	330
55°	322	321	311	302	299	288
65°	208	201	189	181	180	205
75°	88	88	86	86	84	96
85°	17	20	22	22	22	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	652.3	652.3	652.3	652.3	652.3
2.5°	652.1	652.3	650.6	653.5	654.2
5°	650.4	650.6	648.9	651.6	652.3
7.5°	647.2	647.7	645.8	648.4	648.9
10°	642.6	642.9	641.2	643.8	644.3
12.5°	636.3	636.6	635.1	637.6	637.6
15°	628.4	629.1	627.4	629.6	629.8
17.5°	619.4	619.7	618.0	620.4	620.9
20°	608.8	608.8	607.3	609.3	608.8
22.5°	597.0	597.0	595.3	596.2	596.7
25°	583.9	583.4	581.5	582.0	581.0
27.5°	568.9	568.9	565.5	565.5	563.8
30°	553.7	552.5	548.9	546.7	545.0
32.5°	536.3	534.6	530.0	526.1	524.9
35°	516.7	515.0	509.0	504.4	502.5
37.5°	497.9	494.0	486.0	481.4	479.3
40°	475.9	471.0	462.8	456.5	455.6
42.5°	452.2	448.3	437.7	433.1	431.9
45°	427.0	422.5	414.5	409.6	406.0
47.5°	402.4	399.0	389.8	384.0	382.8
50°	376.5	373.6	364.2	357.9	355.8
52.5°	349.7	347.8	339.8	331.8	329.2
55°	321.9	321.0	311.0	301.9	298.7
57.5°	294.6	293.4	281.1	270.4	267.5
60°	266.1	262.5	250.4	240.5	237.3
62.5°	239.0	231.3	218.2	210.5	206.9
65°	208.1	200.6	189.0	180.8	179.6
67.5°	177.6	168.7	159.8	154.7	150.8
70°	146.0	139.9	133.2	128.8	128.1
72.5°	116.5	112.1	108.8	106.1	103.9
75°	88.2	87.5	86.3	86.3	83.9
77.5°	64.8	66.5	67.4	67.2	67.7
80°	45.0	48.3	50.3	50.5	50.3
82.5°	28.5	32.4	35.5	36.0	36.5
85°	16.7	19.6	21.5	22.0	21.5
87.5°	7.5	9.4	9.9	10.4	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)