

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: P737768

Luminaire Tested: **14PT-30-PL1-L835**

Issue Date: 2/8/2024



**Test Information**

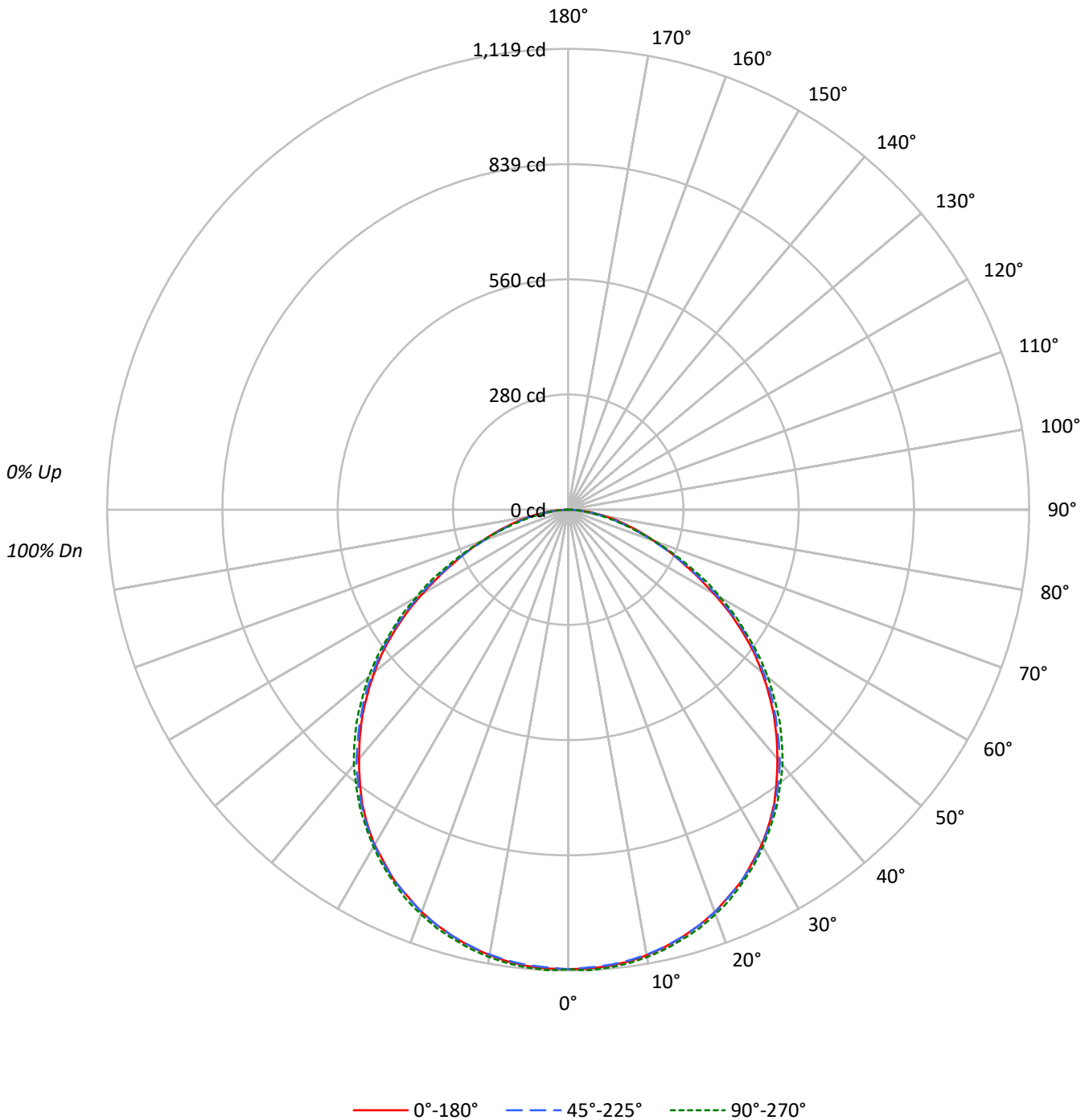
Test Method: LM-79-08  
Report Number: P737768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-30-PL1-L835  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2941.0 lumens  
Efficiency: N/A  
Efficacy: 125.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 23.4  
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	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	3345	3345	3345
5°	3348	3341	3360
10°	3344	3340	3359
15°	3333	3332	3349
20°	3317	3317	3335
25°	3294	3290	3308
30°	3253	3257	3273
35°	3191	3203	3228
40°	3091	3127	3168
45°	2995	3020	3078
50°	2863	2894	2952
55°	2697	2739	2772
60°	2446	2499	2560
65°	2173	2196	2284
70°	1942	1902	1950
75°	1753	1652	1618
80°	1592	1478	1314
85°	1352	1221	1053



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.8	3.6
10°-20°	303.5	10.3
20°-30°	459.1	15.6
30°-40°	547.3	18.6
40°-50°	550.3	18.7
50°-60°	467.1	15.9
60°-70°	311.0	10.6
70°-80°	155.3	5.3
80°-90°	41.5	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°	868.5	29.5
0°-40°	1415.8	48.1
0°-60°	2433.2	82.7
0°-90°	2941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2941.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1116	1116	1116	1116	1116	
5°	1112	1113	1110	1115	1116	106
15°	1074	1075	1074	1078	1079	303
25°	996	996	995	999	1000	458
35°	872	873	875	881	882	544
45°	706	708	712	722	726	543
55°	516	520	524	529	530	460
65°	306	309	310	314	322	307
75°	151	149	143	139	140	162
85°	39	38	36	34	31	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1115.7	1115.7	1115.7	1115.7	1115.7
2.5°	1114.9	1115.7	1112.8	1118.2	1119.4
5°	1112.4	1112.8	1110.3	1115.3	1116.5
7.5°	1107.0	1107.4	1104.9	1110.3	1111.1
10°	1098.3	1099.1	1097.1	1102.0	1103.3
12.5°	1087.2	1088.4	1086.3	1091.7	1092.5
15°	1073.9	1075.2	1073.5	1078.1	1078.9
17.5°	1057.8	1058.6	1057.8	1061.9	1064.4
20°	1039.6	1039.6	1039.6	1043.3	1045.4
22.5°	1016.9	1019.0	1018.1	1023.1	1025.2
25°	995.8	995.8	994.6	999.1	999.9
27.5°	966.5	969.8	969.3	973.5	974.3
30°	939.6	940.4	940.8	943.7	945.4
32.5°	906.9	907.8	909.0	913.1	913.5
35°	871.8	872.6	875.1	881.3	882.1
37.5°	830.9	835.4	837.5	844.1	844.9
40°	789.9	792.8	799.0	806.1	809.4
42.5°	748.2	751.5	755.2	764.7	767.6
45°	706.4	707.7	712.2	721.7	725.9
47.5°	660.1	663.9	668.0	676.3	678.7
50°	613.9	618.0	620.5	627.9	632.9
52.5°	567.1	570.9	573.8	578.3	583.3
55°	515.9	519.6	524.1	529.1	530.4
57.5°	463.8	467.9	470.8	476.2	481.6
60°	408.0	412.5	416.7	421.6	427.0
62.5°	355.9	358.0	362.1	370.4	378.2
65°	306.3	308.8	309.6	314.2	322.0
67.5°	265.0	265.0	261.2	262.9	271.6
70°	221.6	219.9	217.0	215.4	222.4
72.5°	186.4	184.4	178.2	175.3	179.0
75°	151.3	149.2	142.6	139.3	139.7
77.5°	121.5	118.2	112.8	107.1	105.8
80°	92.2	90.9	85.6	80.2	76.1
82.5°	65.3	62.4	59.5	56.2	52.9
85°	39.3	38.4	35.5	33.5	30.6
87.5°	16.1	16.1	15.3	14.5	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)