

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: P737784

Luminaire Tested: **14PT-30-PR1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737784  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-30-PR1-L835  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

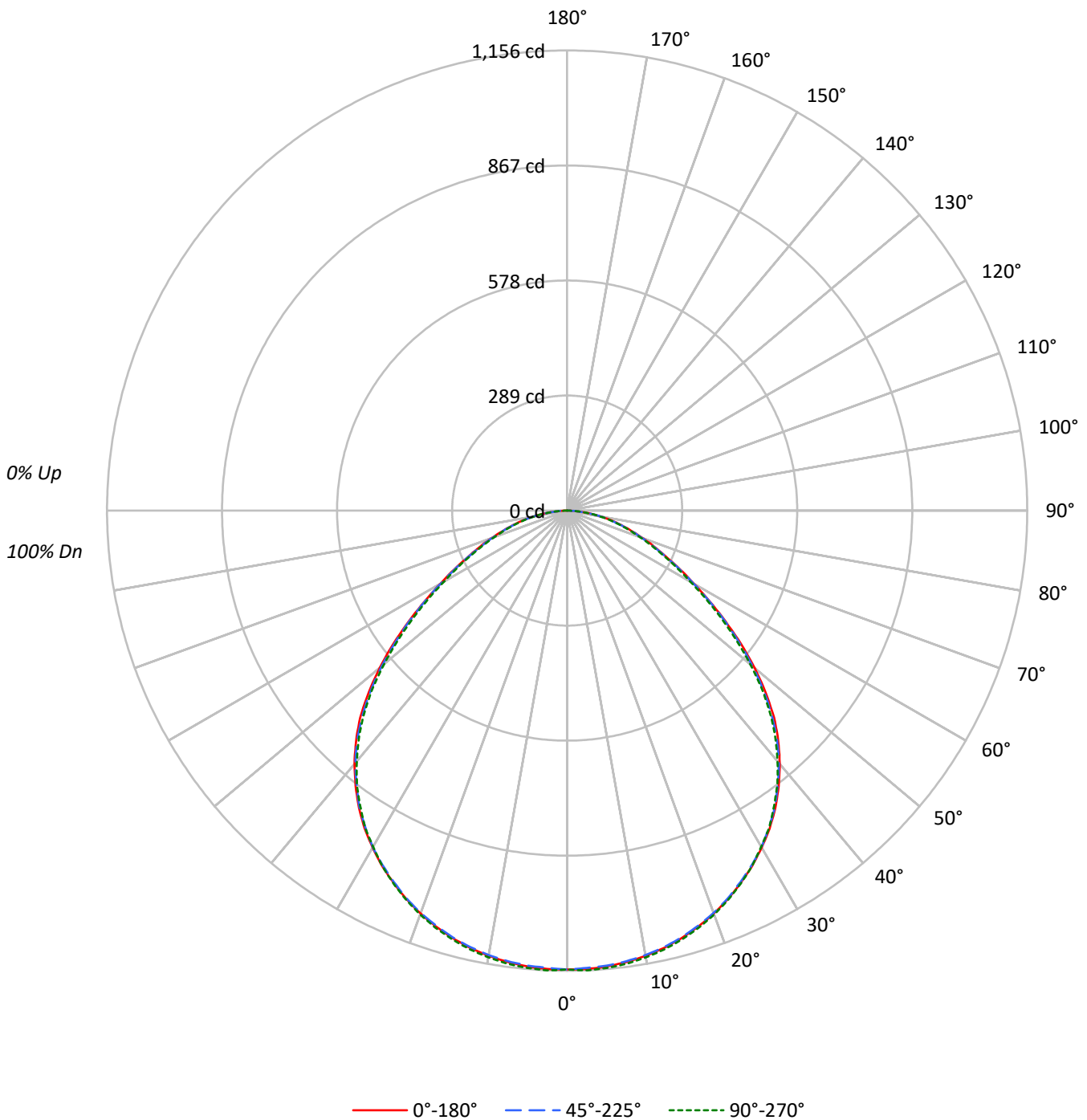
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2916.0 lumens  
Efficiency: N/A  
Efficacy: 124.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34  
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 (Ain): 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
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	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	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	39	33	29	39	33	29	27

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

	0°	45°	90°
0°	3457	3457	3457
5°	3460	3453	3471
10°	3457	3451	3470
15°	3451	3445	3462
20°	3436	3432	3445
25°	3414	3406	3418
30°	3384	3379	3375
35°	3337	3329	3316
40°	3253	3240	3217
45°	3117	3082	3060
50°	2868	2835	2801
55°	2538	2527	2478
60°	2205	2198	2139
65°	1944	1932	1894
70°	1765	1739	1702
75°	1632	1594	1565
80°	1492	1469	1419
85°	1180	1166	1121



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.4	3.8
10°-20°	313.9	10.8
20°-30°	475.6	16.3
30°-40°	567.7	19.5
40°-50°	558.3	19.1
50°-60°	431.5	14.8
60°-70°	272.1	9.3
70°-80°	147.2	5.0
80°-90°	40.2	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°	898.9	30.8
0°-40°	1466.6	50.3
0°-60°	2456.5	84.2
0°-90°	2916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2916.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1153	1153	1153	1153	1153	
5°	1150	1150	1147	1152	1153	109
15°	1112	1112	1110	1114	1115	314
25°	1032	1033	1030	1033	1033	476
35°	912	912	910	908	906	569
45°	735	732	727	721	722	563
55°	486	490	484	476	474	436
65°	274	274	272	268	267	276
75°	141	139	138	138	135	150
85°	34	35	34	34	33	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1153.0	1153.0	1153.0	1153.0	<i>1153.0</i>
2.5°	<i>1152.6</i>	<i>1153.0</i>	<i>1149.7</i>	<i>1155.1</i>	<i>1156.3</i>
5°	1149.7	1150.1	1147.2	1152.2	<i>1153.4</i>
7.5°	1143.9	1144.8	1141.9	1146.8	<i>1148.1</i>
10°	1135.7	1136.5	1133.6	1138.6	<i>1139.8</i>
12.5°	1125.3	1125.8	1123.3	1127.8	<i>1129.1</i>
15°	1111.7	1112.1	1110.0	1113.8	<i>1115.4</i>
17.5°	1096.0	1096.4	1093.5	1098.1	<i>1098.9</i>
20°	1077.0	1077.4	1075.7	1079.5	<i>1079.9</i>
22.5°	1055.9	1056.7	1054.3	1057.6	<i>1058.0</i>
25°	1031.9	1032.8	1029.5	1032.8	<i>1033.2</i>
27.5°	1006.7	1007.1	1004.2	1006.7	<i>1006.3</i>
30°	977.4	979.9	976.1	975.3	<i>974.9</i>
32.5°	946.8	947.2	943.5	942.7	<i>944.3</i>
35°	911.7	912.1	909.6	908.4	<i>905.9</i>
37.5°	873.2	873.2	868.7	867.9	<i>867.5</i>
40°	831.1	830.7	827.8	824.9	<i>822.0</i>
42.5°	785.2	786.0	780.3	775.3	<i>774.5</i>
45°	735.2	732.3	726.9	721.2	<i>721.6</i>
47.5°	676.1	676.9	669.5	665.0	<i>663.7</i>
50°	614.9	614.9	607.9	603.0	<i>600.5</i>
52.5°	550.9	551.3	544.7	538.1	<i>536.8</i>
55°	485.6	489.7	483.5	475.7	<i>474.0</i>
57.5°	424.4	427.7	421.9	413.7	<i>413.3</i>
60°	367.8	368.2	366.6	358.7	<i>356.7</i>
62.5°	319.5	317.4	316.6	312.4	<i>310.0</i>
65°	274.0	274.4	272.3	267.8	<i>267.0</i>
67.5°	237.2	236.8	233.1	230.2	<i>228.5</i>
70°	201.3	200.0	198.4	195.9	<i>194.2</i>
72.5°	169.0	169.0	167.8	167.0	<i>164.1</i>
75°	140.9	139.3	137.6	138.4	<i>135.1</i>
77.5°	114.1	112.4	111.2	109.5	<i>108.7</i>
80°	86.4	84.7	85.1	82.7	<i>82.2</i>
82.5°	59.9	59.9	59.1	57.0	<i>57.4</i>
85°	34.3	34.7	33.9	34.3	<i>32.6</i>
87.5°	12.4	12.8	13.6	12.8	<i>12.8</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)