

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: P737786

Luminaire Tested: **14PT-30-PR1-L850**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737786  
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-L850  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

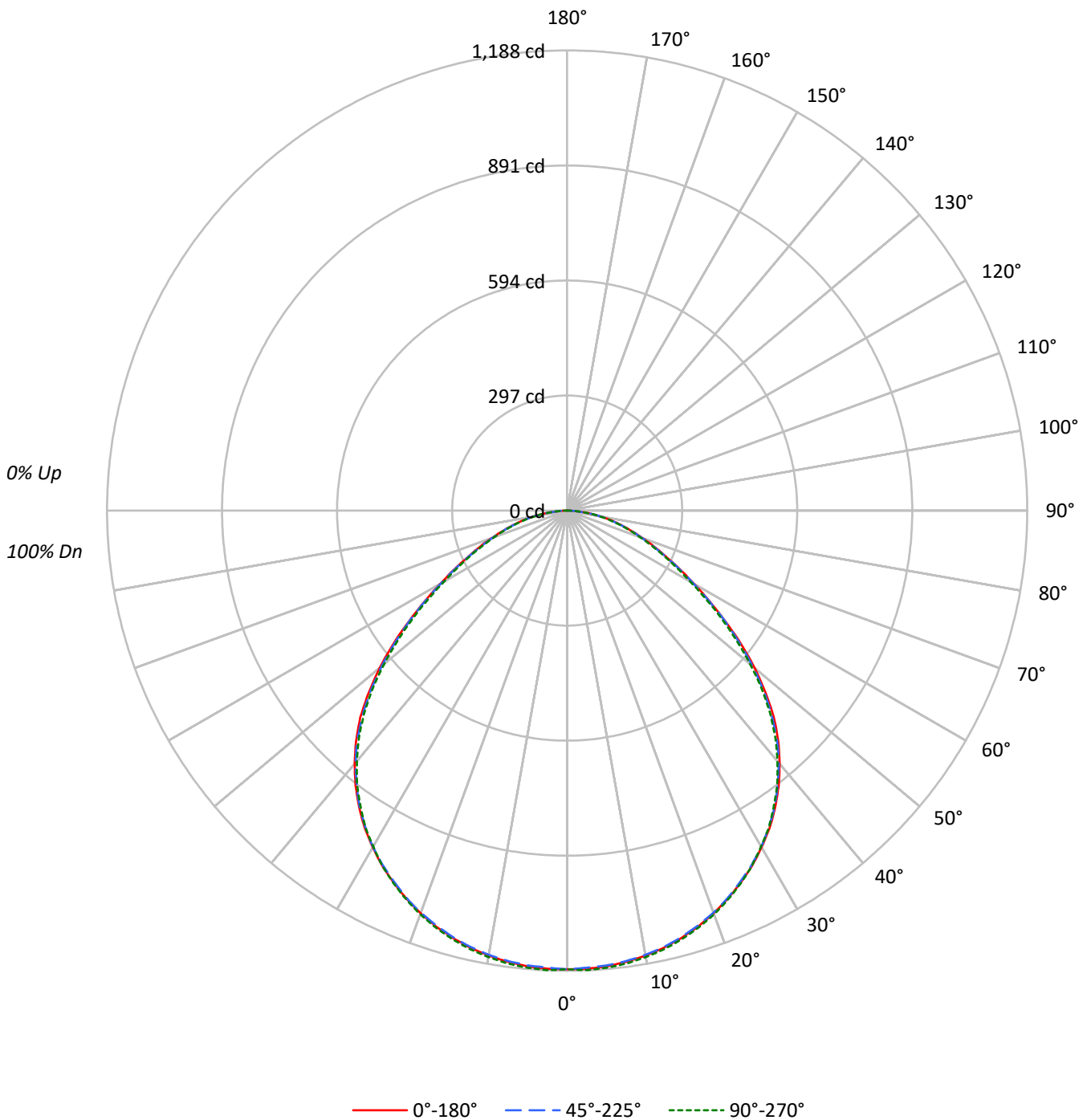
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2995.0 lumens  
Efficiency: N/A  
Efficacy: 128.0 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	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					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°	3551	3551	3551
5°	3554	3546	3565
10°	3551	3545	3564
15°	3544	3539	3556
20°	3529	3525	3539
25°	3506	3498	3510
30°	3475	3471	3466
35°	3427	3420	3405
40°	3341	3327	3304
45°	3202	3166	3142
50°	2946	2912	2877
55°	2607	2596	2545
60°	2265	2258	2196
65°	1996	1984	1945
70°	1812	1786	1749
75°	1676	1637	1608
80°	1531	1509	1459
85°	1211	1197	1152



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.3	3.8
10°-20°	322.4	10.8
20°-30°	488.5	16.3
30°-40°	583.1	19.5
40°-50°	573.5	19.1
50°-60°	443.2	14.8
60°-70°	279.5	9.3
70°-80°	151.2	5.0
80°-90°	41.3	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°	923.2	30.8
0°-40°	1506.4	50.3
0°-60°	2523.0	84.2
0°-90°	2995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2995.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1181	1181	1178	1183	1185	112
15°	1142	1142	1140	1144	1146	322
25°	1060	1061	1057	1061	1061	489
35°	936	937	934	933	930	585
45°	755	752	747	741	741	578
55°	499	503	497	489	487	448
65°	281	282	280	275	274	283
75°	145	143	141	142	139	154
85°	35	36	35	35	34	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1184.3	1184.3	1184.3	1184.3	<i>1184.3</i>
2.5°	<i>1183.8</i>	<i>1184.3</i>	<i>1180.9</i>	<i>1186.4</i>	<i>1187.7</i>
5°	1180.9	1181.3	1178.3	1183.4	<i>1184.7</i>
7.5°	1174.9	1175.8	1172.8	1177.9	<i>1179.2</i>
10°	1166.4	1167.3	1164.3	1169.4	<i>1170.7</i>
12.5°	1155.8	1156.2	1153.7	1158.4	<i>1159.6</i>
15°	1141.8	1142.2	1140.1	1143.9	<i>1145.6</i>
17.5°	1125.7	1126.1	1123.1	1127.8	<i>1128.7</i>
20°	1106.2	1106.6	1104.9	1108.7	<i>1109.1</i>
22.5°	1084.5	1085.4	1082.8	1086.2	<i>1086.6</i>
25°	1059.9	1060.7	1057.3	1060.7	<i>1061.2</i>
27.5°	1034.0	1034.4	1031.5	1034.0	<i>1033.6</i>
30°	1003.9	1006.4	1002.6	1001.7	<i>1001.3</i>
32.5°	972.5	972.9	969.1	968.2	<i>969.9</i>
35°	936.4	936.8	934.3	933.0	<i>930.4</i>
37.5°	896.9	896.9	892.2	891.4	<i>891.0</i>
40°	853.6	853.2	850.2	847.2	<i>844.3</i>
42.5°	806.5	807.3	801.4	796.3	<i>795.5</i>
45°	755.1	752.2	746.6	740.7	<i>741.1</i>
47.5°	694.4	695.3	687.6	683.0	<i>681.7</i>
50°	631.6	631.6	624.4	619.3	<i>616.8</i>
52.5°	565.8	566.2	559.4	552.7	<i>551.4</i>
55°	498.7	503.0	496.6	488.6	<i>486.9</i>
57.5°	435.9	439.3	433.4	424.9	<i>424.5</i>
60°	377.8	378.2	376.5	368.4	<i>366.3</i>
62.5°	328.1	326.0	325.1	320.9	<i>318.4</i>
65°	281.4	281.8	279.7	275.1	<i>274.2</i>
67.5°	243.6	243.2	239.4	236.4	<i>234.7</i>
70°	206.7	205.4	203.7	201.2	<i>199.5</i>
72.5°	173.6	173.6	172.3	171.5	<i>168.5</i>
75°	144.7	143.0	141.3	142.2	<i>138.8</i>
77.5°	117.2	115.5	114.2	112.5	<i>111.6</i>
80°	88.7	87.0	87.4	84.9	<i>84.5</i>
82.5°	61.5	61.5	60.7	58.6	<i>59.0</i>
85°	35.2	35.7	34.8	35.2	<i>33.5</i>
87.5°	12.7	13.2	14.0	13.2	<i>13.2</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)