

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: P737762

Luminaire Tested: **14PT-30-PC3-L850**

Issue Date: 2/8/2024



**Test Information**

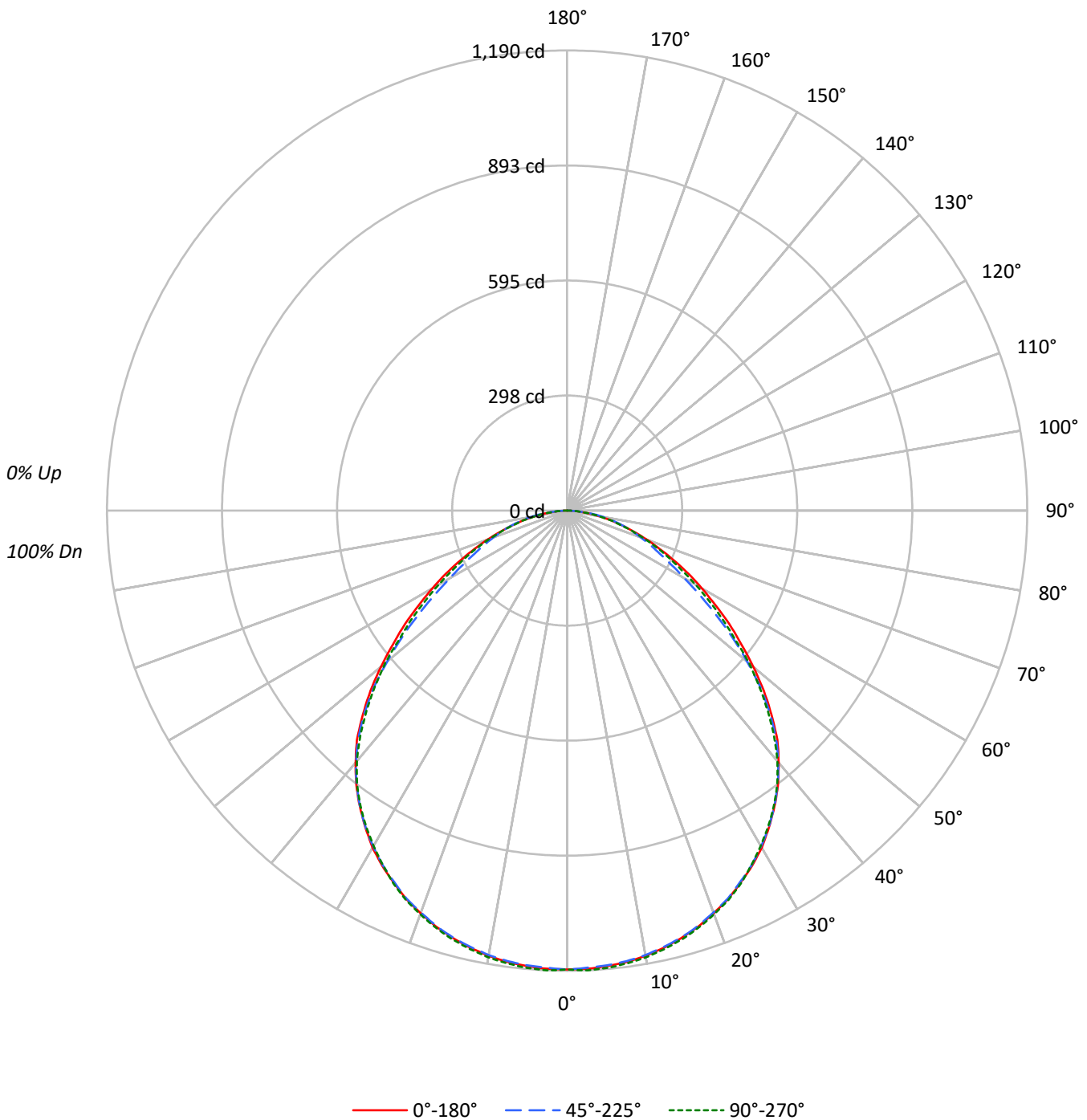
Test Method: LM-79-08  
Report Number: P737762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-30-PC3-L850  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2992.0 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	3558	3558	3558
5°	3559	3553	3573
10°	3559	3552	3572
15°	3551	3547	3563
20°	3535	3529	3544
25°	3510	3505	3519
30°	3484	3472	3466
35°	3421	3418	3412
40°	3331	3326	3311
45°	3168	3144	3112
50°	2932	2833	2865
55°	2676	2458	2569
60°	2413	2097	2301
65°	2156	1876	2069
70°	1913	1775	1860
75°	1691	1721	1656
80°	1459	1642	1450
85°	1094	1300	1094



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.6	3.8
10°-20°	323.1	10.8
20°-30°	489.2	16.3
30°-40°	583.2	19.5
40°-50°	569.9	19.0
50°-60°	435.7	14.6
60°-70°	279.7	9.3
70°-80°	155.6	5.2
80°-90°	43.0	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°	924.8	30.9
0°-40°	1508.0	50.4
0°-60°	2513.6	84.0
0°-90°	2992.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2992.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1183	1183	1180	1186	1187	112
15°	1144	1145	1143	1146	1148	323
25°	1061	1062	1060	1063	1064	489
35°	935	936	934	933	932	584
45°	747	749	742	740	734	575
55°	512	494	470	476	492	458
65°	304	281	264	273	292	303
75°	146	147	149	146	143	156
85°	32	37	38	36	32	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1186.8	1186.8	1186.8	1186.8	<i>1186.8</i>
2.5°	<i>1186.0</i>	<i>1186.4</i>	<i>1183.4</i>	<i>1188.5</i>	<i>1190.2</i>
5°	1182.6	1183.4	1180.5	1186.0	<i>1187.3</i>
7.5°	1177.5	1178.4	1175.4	1180.9	<i>1181.3</i>
10°	1169.0	1169.4	1166.9	1172.4	<i>1173.3</i>
12.5°	1157.6	1158.8	1155.9	1160.9	<i>1161.4</i>
15°	1144.0	1144.8	1142.7	1146.5	<i>1147.8</i>
17.5°	1127.8	1128.3	1126.1	1130.4	<i>1130.8</i>
20°	1107.9	1107.9	1106.2	1110.9	<i>1110.9</i>
22.5°	1087.5	1086.2	1085.8	1087.5	<i>1090.1</i>
25°	1061.2	1062.5	1059.5	1062.9	<i>1063.7</i>
27.5°	1035.7	1035.7	1033.2	1034.9	<i>1032.8</i>
30°	1006.4	1004.7	1003.0	1003.5	<i>1001.3</i>
32.5°	971.2	971.2	970.4	970.4	<i>967.8</i>
35°	934.7	935.6	933.9	933.4	<i>932.2</i>
37.5°	895.6	896.9	894.0	893.1	<i>892.3</i>
40°	851.1	851.1	849.8	848.1	<i>846.0</i>
42.5°	804.8	804.8	799.3	795.0	<i>792.1</i>
45°	747.1	748.8	741.6	739.9	<i>733.9</i>
47.5°	689.8	688.5	678.7	677.5	<i>674.1</i>
50°	628.7	621.4	607.4	611.2	<i>614.2</i>
52.5°	567.5	558.6	538.2	542.5	<i>547.6</i>
55°	511.9	494.1	470.3	476.3	<i>491.5</i>
57.5°	453.8	430.0	406.2	417.3	<i>436.4</i>
60°	402.4	375.7	349.8	361.7	<i>383.7</i>
62.5°	353.2	324.7	303.9	315.4	<i>334.1</i>
65°	303.9	280.6	264.4	273.4	<i>291.6</i>
67.5°	258.9	243.2	232.2	236.4	<i>251.3</i>
70°	218.2	208.4	202.5	203.7	<i>212.2</i>
72.5°	179.6	177.0	174.9	174.9	<i>175.7</i>
75°	146.0	147.3	148.6	146.4	<i>143.0</i>
77.5°	115.0	119.3	122.2	118.0	<i>113.8</i>
80°	84.5	91.3	95.1	90.4	<i>84.0</i>
82.5°	57.7	65.4	66.6	63.7	<i>56.5</i>
85°	31.8	37.4	37.8	36.5	<i>31.8</i>
87.5°	11.9	14.0	15.3	14.0	<i>12.3</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)