

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: P737754

Luminaire Tested: **14PT-30-PB1-L850**

Issue Date: 2/8/2024



**Test Information**

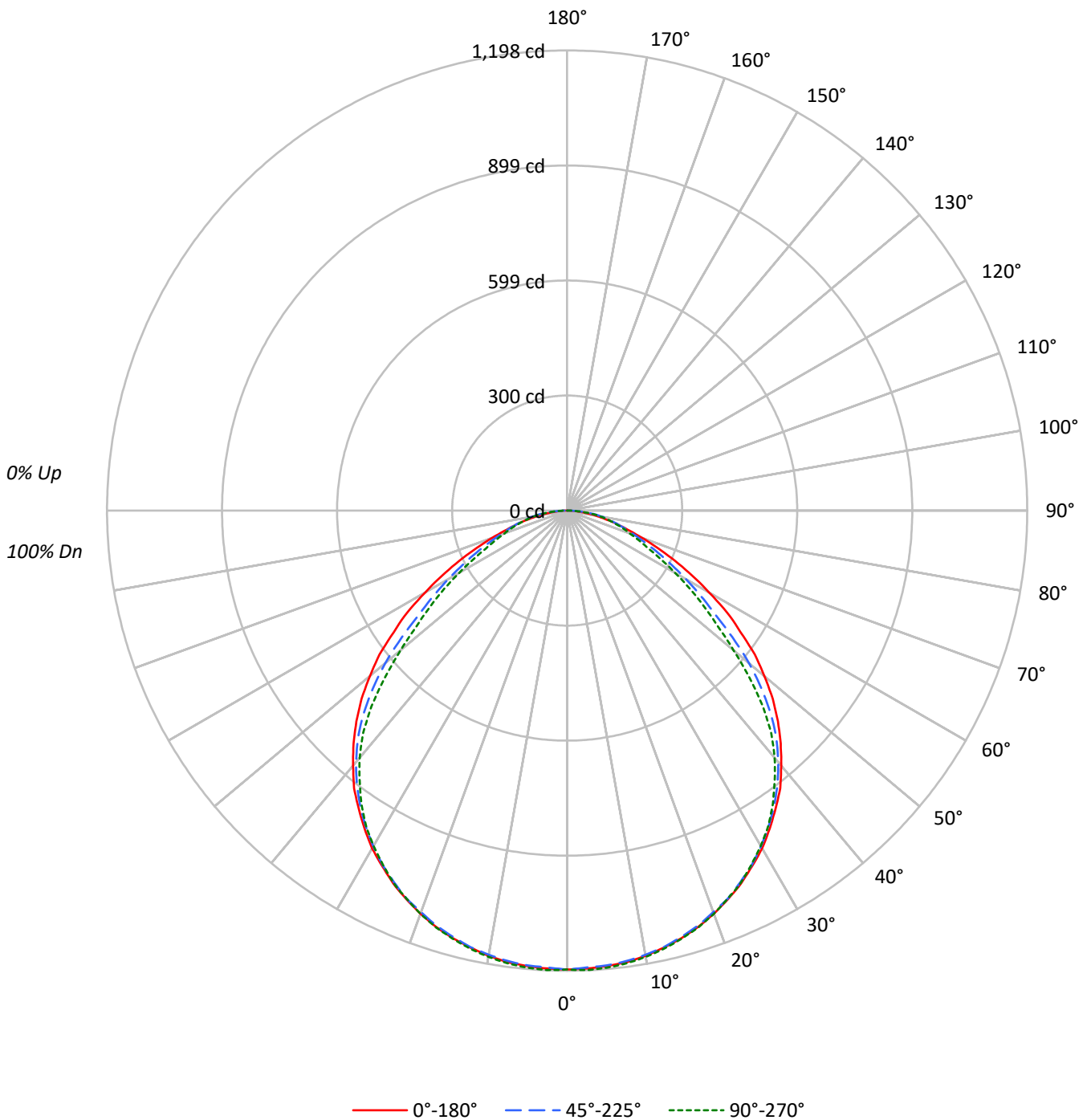
Test Method: LM-79-08  
Report Number: P737754  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-30-PB1-L850  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2979.0 lumens  
Efficiency: N/A  
Efficacy: 127.3 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	93	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73					73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62					62			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37					37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33					33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30					30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	3582	3582	3582
5°	3582	3578	3595
10°	3583	3574	3592
15°	3576	3567	3581
20°	3563	3549	3563
25°	3544	3529	3539
30°	3515	3495	3490
35°	3464	3437	3415
40°	3393	3347	3289
45°	3290	3184	3053
50°	3125	2886	2639
55°	2881	2450	2274
60°	2564	2141	1948
65°	2200	1856	1657
70°	1816	1636	1520
75°	1533	1566	1480
80°	1293	1599	1523
85°	1011	1617	1414



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	3.8
10°-20°	325.0	10.9
20°-30°	492.4	16.5
30°-40°	586.7	19.7
40°-50°	573.7	19.3
50°-60°	433.9	14.6
60°-70°	266.6	8.9
70°-80°	142.1	4.8
80°-90°	45.3	1.5
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°	930.7	31.2
0°-40°	1517.4	50.9
0°-60°	2525.1	84.8
0°-90°	2979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2979.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1190	1192	1189	1193	1195	113
15°	1152	1154	1149	1154	1154	325
25°	1071	1070	1067	1068	1070	493
35°	946	945	939	935	933	592
45°	776	772	751	726	720	597
55°	551	523	469	442	435	493
65°	310	285	262	241	234	309
75°	132	134	135	131	128	142
85°	29	38	47	44	41	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1194.7	1194.7	1194.7	1194.7	1194.7
2.5°	1193.2	1194.7	1190.3	1196.2	1197.6
5°	1190.3	1191.8	1188.8	1193.2	1194.7
7.5°	1185.9	1185.9	1182.9	1187.3	1188.8
10°	1177.1	1177.1	1174.1	1178.5	1180.0
12.5°	1165.3	1165.3	1163.8	1166.8	1168.2
15°	1152.1	1153.6	1149.1	1153.6	1153.6
17.5°	1135.9	1134.4	1133.0	1135.9	1137.4
20°	1116.8	1116.8	1112.4	1115.3	1116.8
22.5°	1094.8	1094.8	1093.3	1094.8	1093.3
25°	1071.3	1069.8	1066.9	1068.3	1069.8
27.5°	1043.3	1043.3	1040.4	1040.4	1038.9
30°	1015.4	1013.9	1009.5	1006.6	1008.1
32.5°	981.6	980.2	975.7	972.8	974.3
35°	946.4	944.9	939.0	934.6	933.1
37.5°	911.1	906.7	899.3	893.5	887.6
40°	867.0	862.6	855.2	842.0	840.5
42.5°	822.9	818.5	806.8	790.6	786.2
45°	775.9	771.5	750.9	725.9	720.1
47.5°	725.9	718.6	686.3	655.4	643.6
50°	670.1	656.9	618.7	579.0	565.8
52.5°	615.7	592.2	542.2	507.0	493.7
55°	551.1	523.1	468.8	442.3	435.0
57.5°	493.7	455.5	411.5	385.0	379.1
60°	427.6	392.4	357.1	333.6	324.8
62.5°	367.4	336.5	307.1	286.6	276.3
65°	310.1	285.1	261.6	241.0	233.6
67.5°	254.2	241.0	221.9	205.7	201.3
70°	207.2	199.9	186.6	179.3	173.4
72.5°	164.6	167.5	158.7	155.8	151.4
75°	132.3	133.7	135.2	130.8	127.8
77.5°	99.9	107.3	113.2	110.2	107.3
80°	74.9	82.3	92.6	88.2	88.2
82.5°	51.4	60.2	69.1	66.1	64.7
85°	29.4	38.2	47.0	44.1	41.1
87.5°	11.8	19.1	20.6	20.6	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)