

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: P737761

Luminaire Tested: **14PT-30-PC3-L840**

Issue Date: 2/8/2024



**Test Information**

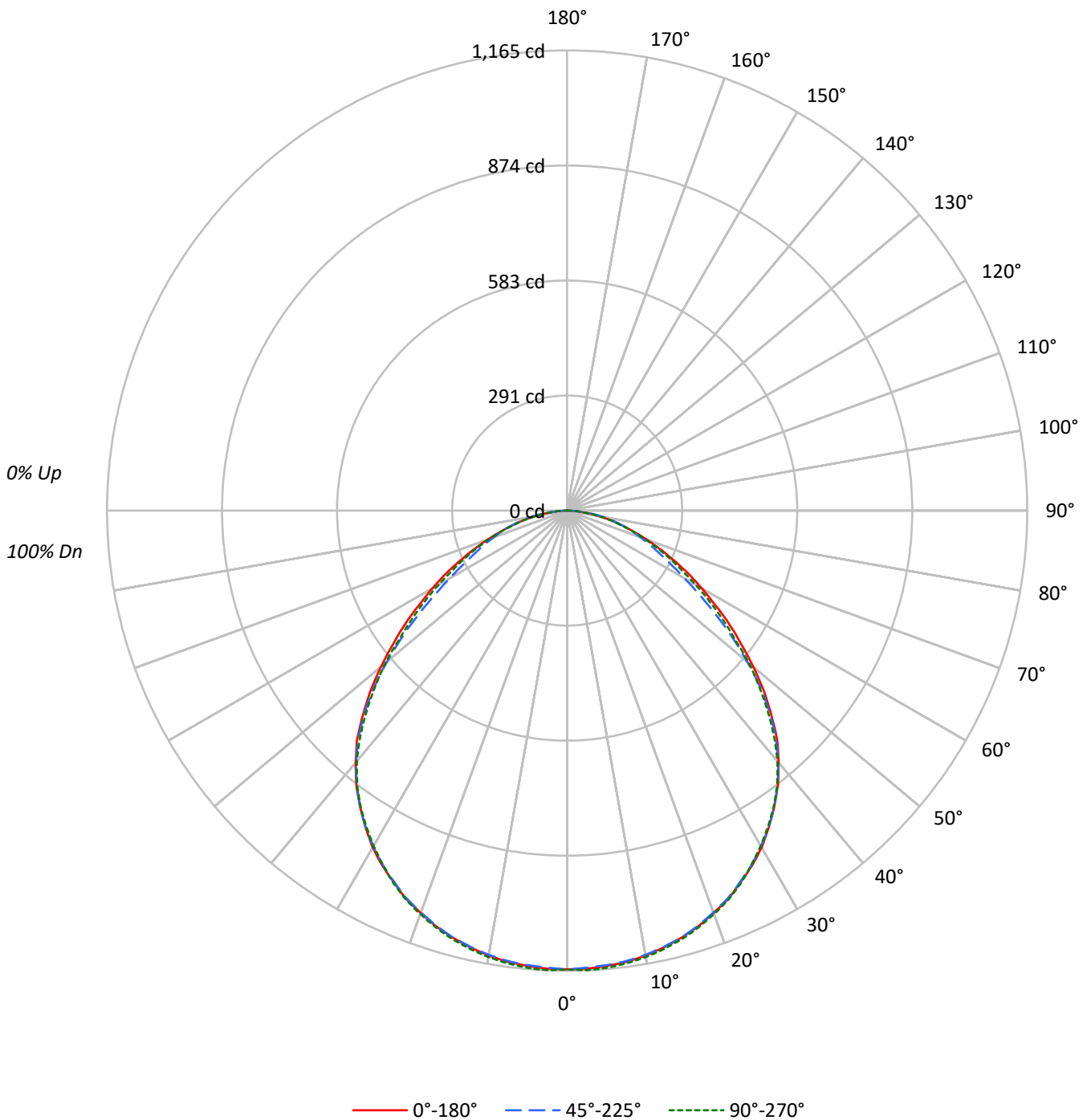
Test Method: LM-79-08  
Report Number: P737761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-30-PC3-L840  
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2928.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 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 (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	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°	3482	3482	3482
5°	3483	3477	3497
10°	3483	3476	3495
15°	3475	3471	3486
20°	3459	3454	3468
25°	3435	3430	3444
30°	3410	3398	3392
35°	3348	3345	3339
40°	3260	3255	3240
45°	3100	3077	3045
50°	2869	2772	2804
55°	2619	2406	2514
60°	2361	2052	2252
65°	2110	1836	2025
70°	1871	1737	1821
75°	1655	1684	1622
80°	1428	1606	1419
85°	1073	1273	1073



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.2	3.8
10°-20°	316.2	10.8
20°-30°	478.7	16.3
30°-40°	570.7	19.5
40°-50°	557.7	19.0
50°-60°	426.4	14.6
60°-70°	273.8	9.3
70°-80°	152.3	5.2
80°-90°	42.1	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°	905.0	30.9
0°-40°	1475.8	50.4
0°-60°	2459.9	84.0
0°-90°	2928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2928.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1157	1158	1155	1161	1162	110
15°	1120	1120	1118	1122	1123	316
25°	1038	1040	1037	1040	1041	479
35°	915	916	914	914	912	571
45°	731	733	726	724	718	563
55°	501	484	460	466	481	448
65°	297	275	259	268	285	297
75°	143	144	145	143	140	153
85°	31	37	37	36	31	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1161.5	1161.5	1161.5	1161.5	1161.5
2.5°	1160.6	1161.0	1158.1	1163.1	1164.8
5°	1157.3	1158.1	1155.2	1160.6	1161.9
7.5°	1152.3	1153.1	1150.2	1155.6	1156.1
10°	1144.0	1144.4	1141.9	1147.3	1148.2
12.5°	1132.8	1134.0	1131.1	1136.1	1136.5
15°	1119.5	1120.3	1118.3	1122.0	1123.2
17.5°	1103.7	1104.1	1102.1	1106.2	1106.6
20°	1084.2	1084.2	1082.5	1087.1	1087.1
22.5°	1064.3	1063.0	1062.6	1064.3	1066.7
25°	1038.5	1039.7	1036.8	1040.2	1041.0
27.5°	1013.6	1013.6	1011.1	1012.7	1010.7
30°	984.9	983.2	981.6	982.0	979.9
32.5°	950.4	950.4	949.6	949.6	947.1
35°	914.7	915.5	913.9	913.5	912.2
37.5°	876.5	877.7	874.8	874.0	873.2
40°	832.9	832.9	831.6	830.0	827.9
42.5°	787.6	787.6	782.2	778.0	775.1
45°	731.1	732.8	725.7	724.0	718.2
47.5°	675.0	673.8	664.2	663.0	659.7
50°	615.2	608.1	594.4	598.2	601.1
52.5°	555.4	546.7	526.7	530.9	535.9
55°	501.0	483.5	460.3	466.1	481.0
57.5°	444.1	420.8	397.5	408.3	427.0
60°	393.8	367.6	342.3	353.9	375.5
62.5°	345.6	317.8	297.4	308.6	326.9
65°	297.4	274.6	258.8	267.5	285.4
67.5°	253.4	238.0	227.2	231.4	245.9
70°	213.5	204.0	198.1	199.4	207.7
72.5°	175.7	173.2	171.1	171.1	172.0
75°	142.9	144.1	145.4	143.3	140.0
77.5°	112.6	116.7	119.6	115.5	111.3
80°	82.7	89.3	93.0	88.5	82.2
82.5°	56.5	64.0	65.2	62.3	55.2
85°	31.2	36.6	37.0	35.7	31.2
87.5°	11.6	13.7	15.0	13.7	12.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)