

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: P737815

Luminaire Tested: **14PT-40-PL1-L830**

Issue Date: 2/8/2024



**Test Information**

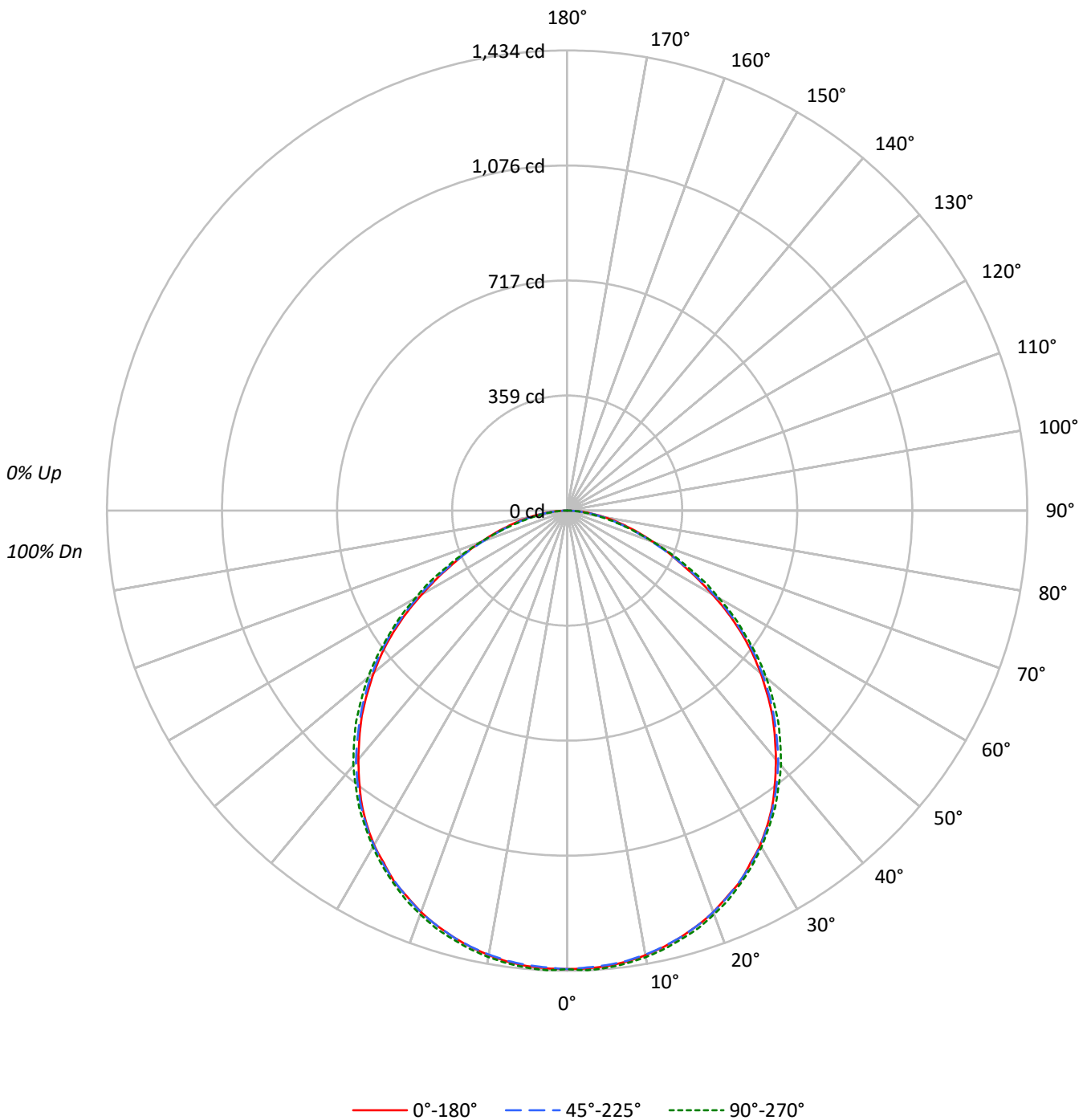
Test Method: LM-79-08  
Report Number: P737815  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PL1-L830  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3767.0 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 32.1  
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	4284	4284	4284
5°	4288	4280	4304
10°	4283	4278	4302
15°	4269	4268	4289
20°	4248	4248	4272
25°	4219	4214	4237
30°	4166	4172	4192
35°	4087	4102	4135
40°	3960	4006	4057
45°	3837	3868	3942
50°	3667	3707	3781
55°	3454	3509	3551
60°	3134	3200	3279
65°	2783	2813	2926
70°	2488	2437	2497
75°	2245	2116	2073
80°	2039	1892	1682
85°	1730	1565	1348



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.6	3.6
10°-20°	388.8	10.3
20°-30°	588.1	15.6
30°-40°	701.0	18.6
40°-50°	704.9	18.7
50°-60°	598.2	15.9
60°-70°	398.3	10.6
70°-80°	198.9	5.3
80°-90°	53.2	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°	1112.5	29.5
0°-40°	1813.4	48.1
0°-60°	3116.6	82.7
0°-90°	3767.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3767.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1429	1429	1429	1429	1429	
5°	1425	1425	1422	1428	1430	135
15°	1376	1377	1375	1381	1382	388
25°	1276	1276	1274	1280	1281	586
35°	1117	1118	1121	1129	1130	697
45°	905	906	912	924	930	696
55°	661	666	671	678	679	589
65°	392	396	397	402	412	393
75°	194	191	183	178	179	208
85°	50	49	46	43	39	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1429.0	1429.0	1429.0	1429.0	1429.0
2.5°	1428.0	1429.0	1425.3	1432.2	1433.8
5°	1424.8	1425.3	1422.1	1428.5	1430.1
7.5°	1417.9	1418.4	1415.3	1422.1	1423.2
10°	1406.8	1407.8	1405.2	1411.6	1413.1
12.5°	1392.5	1394.1	1391.4	1398.3	1399.4
15°	1375.5	1377.1	1375.0	1380.8	1381.9
17.5°	1354.9	1356.0	1354.9	1360.2	1363.4
20°	1331.6	1331.6	1331.6	1336.4	1339.0
22.5°	1302.5	1305.1	1304.1	1310.4	1313.1
25°	1275.5	1275.5	1273.9	1279.7	1280.8
27.5°	1237.9	1242.1	1241.6	1246.9	1247.9
30°	1203.5	1204.5	1205.1	1208.8	1210.9
32.5°	1161.6	1162.7	1164.3	1169.6	1170.1
35°	1116.6	1117.7	1120.9	1128.8	1129.9
37.5°	1064.2	1070.0	1072.7	1081.2	1082.2
40°	1011.8	1015.5	1023.5	1032.5	1036.7
42.5°	958.3	962.6	967.3	979.5	983.2
45°	904.9	906.4	912.3	924.4	929.7
47.5°	845.6	850.3	855.6	866.2	869.4
50°	786.3	791.5	794.7	804.3	810.6
52.5°	726.4	731.2	734.9	740.7	747.1
55°	660.8	665.5	671.4	677.7	679.3
57.5°	594.1	599.4	603.1	609.9	616.8
60°	522.6	528.4	533.7	540.1	546.9
62.5°	455.9	458.5	463.8	474.4	484.5
65°	392.3	395.5	396.6	402.4	412.5
67.5°	339.4	339.4	334.6	336.7	347.9
70°	283.8	281.7	278.0	275.9	284.9
72.5°	238.8	236.1	228.2	224.5	229.3
75°	193.8	191.1	182.7	178.4	179.0
77.5°	155.7	151.4	144.5	137.1	135.5
80°	118.1	116.5	109.6	102.7	97.4
82.5°	83.7	79.9	76.2	72.0	67.8
85°	50.3	49.2	45.5	42.9	39.2
87.5°	20.6	20.6	19.6	18.5	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)