

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: P737840

Luminaire Tested: **14PT-40-PW1-L835**

Issue Date: 2/8/2024



**Test Information**

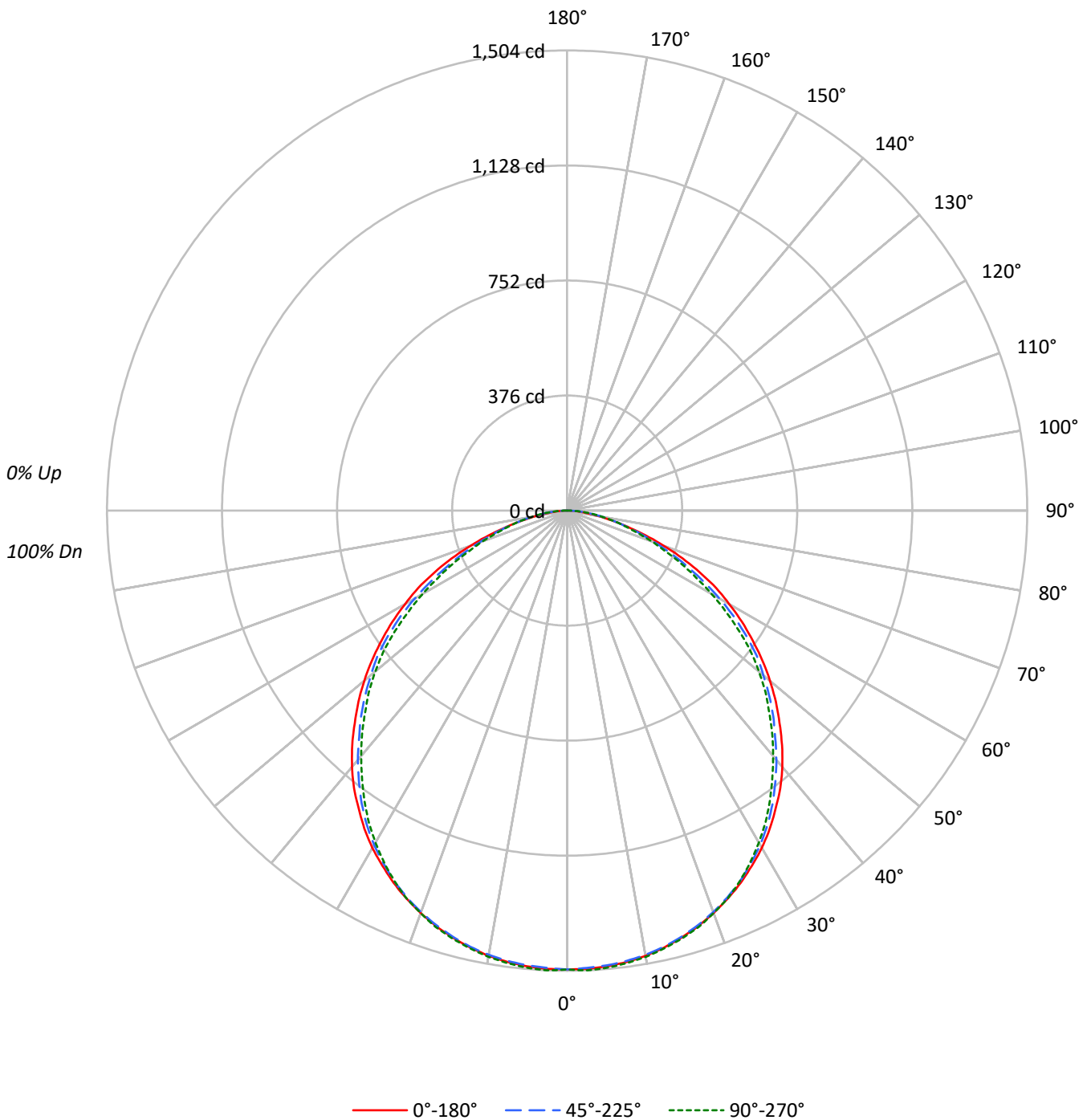
Test Method: LM-79-08  
Report Number: P737840  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PW1-L835  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3980.0 lumens  
Efficiency: N/A  
Efficacy: 124.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34  
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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	4497	4497	4497
5°	4500	4490	4514
10°	4498	4488	4510
15°	4484	4478	4495
20°	4466	4455	4466
25°	4441	4423	4419
30°	4407	4369	4338
35°	4348	4283	4228
40°	4282	4165	4100
45°	4163	4041	3958
50°	4038	3906	3815
55°	3869	3738	3590
60°	3668	3452	3272
65°	3394	3082	2929
70°	2942	2684	2582
75°	2349	2298	2233
80°	1785	1996	1996
85°	1317	1703	1703



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.2	3.6
10°-20°	407.9	10.2
20°-30°	616.5	15.5
30°-40°	732.1	18.4
40°-50°	737.6	18.5
50°-60°	637.5	16.0
60°-70°	435.7	10.9
70°-80°	214.9	5.4
80°-90°	55.6	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°	1166.7	29.3
0°-40°	1898.8	47.7
0°-60°	3273.8	82.3
0°-90°	3980.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3980.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1500	1500	1500	1500	1500	
5°	1495	1496	1492	1498	1500	142
15°	1445	1446	1443	1448	1448	408
25°	1342	1341	1337	1338	1336	618
35°	1188	1184	1170	1160	1155	744
45°	982	971	953	942	934	758
55°	740	738	715	694	687	662
65°	478	461	434	416	413	472
75°	203	201	198	198	193	221
85°	38	45	50	51	50	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1499.8	1499.8	1499.8	1499.8	1499.8
2.5°	1499.2	1499.8	1495.9	1502.6	1504.2
5°	1495.3	1495.9	1492.0	1498.1	1499.8
7.5°	1488.1	1489.2	1484.8	1490.9	1492.0
10°	1477.6	1478.1	1474.2	1480.3	1481.5
12.5°	1463.1	1463.7	1460.3	1465.9	1465.9
15°	1444.8	1446.4	1442.6	1447.6	1448.1
17.5°	1424.2	1424.8	1420.9	1426.4	1427.6
20°	1399.8	1399.8	1396.4	1400.9	1399.8
22.5°	1372.5	1372.5	1368.6	1370.9	1372.0
25°	1342.5	1341.4	1337.0	1338.1	1335.9
27.5°	1308.1	1308.1	1300.3	1300.3	1296.4
30°	1273.1	1270.3	1262.0	1257.0	1253.1
32.5°	1233.1	1229.2	1218.6	1209.7	1206.9
35°	1188.1	1184.2	1170.3	1159.7	1155.3
37.5°	1144.7	1135.8	1117.5	1106.9	1101.9
40°	1094.1	1083.0	1064.1	1049.7	1047.5
42.5°	1039.7	1030.8	1006.3	995.8	993.0
45°	981.9	971.3	953.0	941.9	933.5
47.5°	925.2	917.4	896.3	883.0	880.2
50°	865.8	859.1	837.4	823.0	818.0
52.5°	804.1	799.6	781.3	763.0	756.8
55°	740.2	737.9	715.2	694.0	686.8
57.5°	677.4	674.6	646.3	621.8	615.1
60°	611.8	603.5	575.7	552.9	545.7
62.5°	549.6	531.8	501.8	484.0	475.7
65°	478.4	461.2	434.5	415.7	412.9
67.5°	408.4	387.9	367.3	355.6	346.7
70°	335.6	321.7	306.2	296.2	294.5
72.5°	267.8	257.8	250.1	243.9	238.9
75°	202.8	201.2	198.4	198.4	192.8
77.5°	148.9	152.8	155.0	154.5	155.6
80°	103.4	111.1	115.6	116.1	115.6
82.5°	65.6	74.5	81.7	82.8	83.9
85°	38.3	45.0	49.5	50.6	49.5
87.5°	17.2	21.7	22.8	23.9	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)