

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: P738438

Luminaire Tested: **24PT-30-PC3-L950**

Issue Date: 2/8/2024



**Test Information**

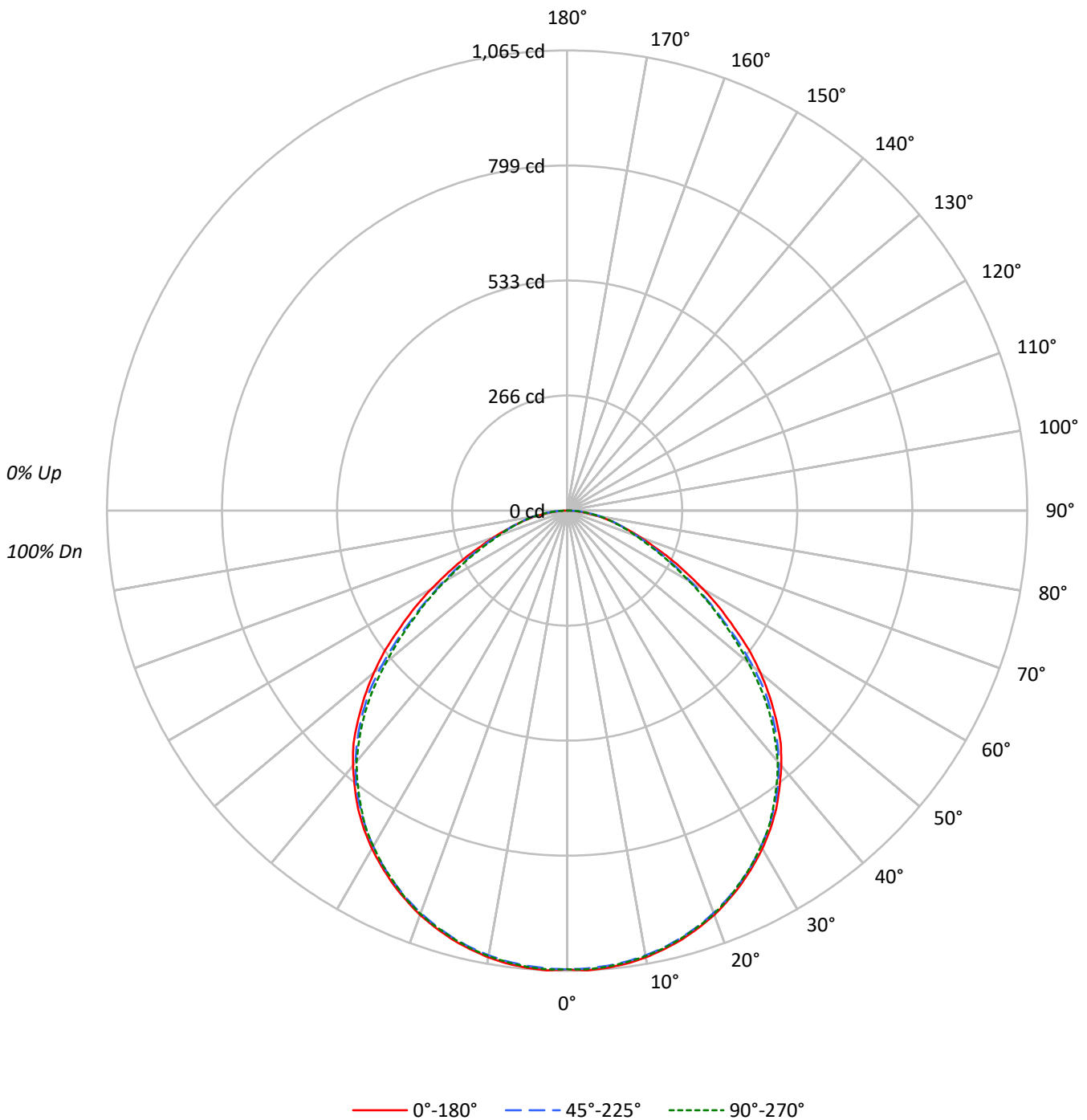
Test Method: LM-79-08  
Report Number: P738438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PC3-L950  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2678.0 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 23.8  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

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

	0°	45°	90°
0°	1522	1522	1522
5°	1529	1523	1526
10°	1529	1522	1524
15°	1526	1519	1520
20°	1519	1512	1515
25°	1509	1502	1501
30°	1496	1486	1486
35°	1476	1464	1458
40°	1443	1426	1419
45°	1387	1361	1342
50°	1303	1252	1219
55°	1177	1098	1077
60°	1041	950	931
65°	890	823	802
70°	754	722	701
75°	661	673	650
80°	593	654	618
85°	500	597	569



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.7	3.8
10°-20°	288.9	10.8
20°-30°	437.7	16.3
30°-40°	522.8	19.5
40°-50°	515.7	19.3
50°-60°	399.2	14.9
60°-70°	245.4	9.2
70°-80°	128.6	4.8
80°-90°	39.0	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°	827.3	30.9
0°-40°	1350.1	50.4
0°-60°	2265.0	84.6
0°-90°	2678.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2678.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1062	1062	1062	1062	1062	
5°	1062	1059	1058	1057	1060	101
15°	1028	1024	1023	1022	1024	290
25°	954	951	949	948	949	439
35°	843	840	836	834	833	526
45°	684	679	671	664	662	526
55°	471	458	439	433	431	423
65°	262	250	243	236	236	262
75°	119	121	121	119	117	129
85°	30	34	36	36	35	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1061.7	1061.7	1061.7	1061.7	1061.7
2.5°	1065.2	1062.0	1060.5	1060.2	1062.6
5°	1062.3	1059.0	1057.8	1057.2	1059.9
7.5°	1057.5	1054.0	1052.8	1051.9	1054.3
10°	1050.1	1046.6	1045.4	1044.8	1046.9
12.5°	1039.5	1036.3	1035.4	1034.5	1037.1
15°	1027.7	1024.4	1023.0	1022.1	1024.1
17.5°	1012.3	1009.7	1007.9	1007.9	1009.7
20°	995.8	992.5	991.0	990.2	993.1
22.5°	975.4	973.3	971.5	970.1	973.3
25°	953.8	950.9	949.1	948.5	948.8
27.5°	929.3	927.2	924.9	924.0	924.6
30°	903.6	900.9	897.7	895.9	897.4
32.5°	874.9	871.1	868.4	866.7	868.7
35°	843.3	839.5	836.5	833.9	832.7
37.5°	807.3	806.1	801.9	797.2	796.9
40°	770.9	767.7	761.8	759.7	758.2
42.5°	731.9	725.1	718.9	713.0	710.9
45°	684.0	679.0	671.3	664.2	661.9
47.5°	635.0	628.5	621.1	608.7	607.2
50°	583.9	574.4	561.4	551.1	546.6
52.5°	530.7	518.0	500.0	491.1	488.7
55°	471.0	458.3	439.1	432.6	430.8
57.5°	417.8	399.2	383.5	376.1	378.5
60°	363.1	345.1	331.2	324.1	324.7
62.5°	309.7	295.5	285.1	278.3	279.2
65°	262.4	250.3	242.6	235.5	236.4
67.5°	216.0	210.4	204.8	200.6	198.3
70°	179.9	177.6	172.3	168.4	167.2
72.5°	147.2	148.6	144.2	143.0	142.7
75°	119.4	120.6	121.4	119.1	117.3
77.5°	95.4	97.2	100.8	97.5	96.9
80°	71.8	75.3	79.2	77.1	74.8
82.5°	50.2	54.7	58.2	55.6	54.4
85°	30.4	34.0	36.3	35.5	34.6
87.5°	13.6	14.8	16.0	16.3	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)