

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: P738449

Luminaire Tested: **24PT-30-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PR1-L840
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

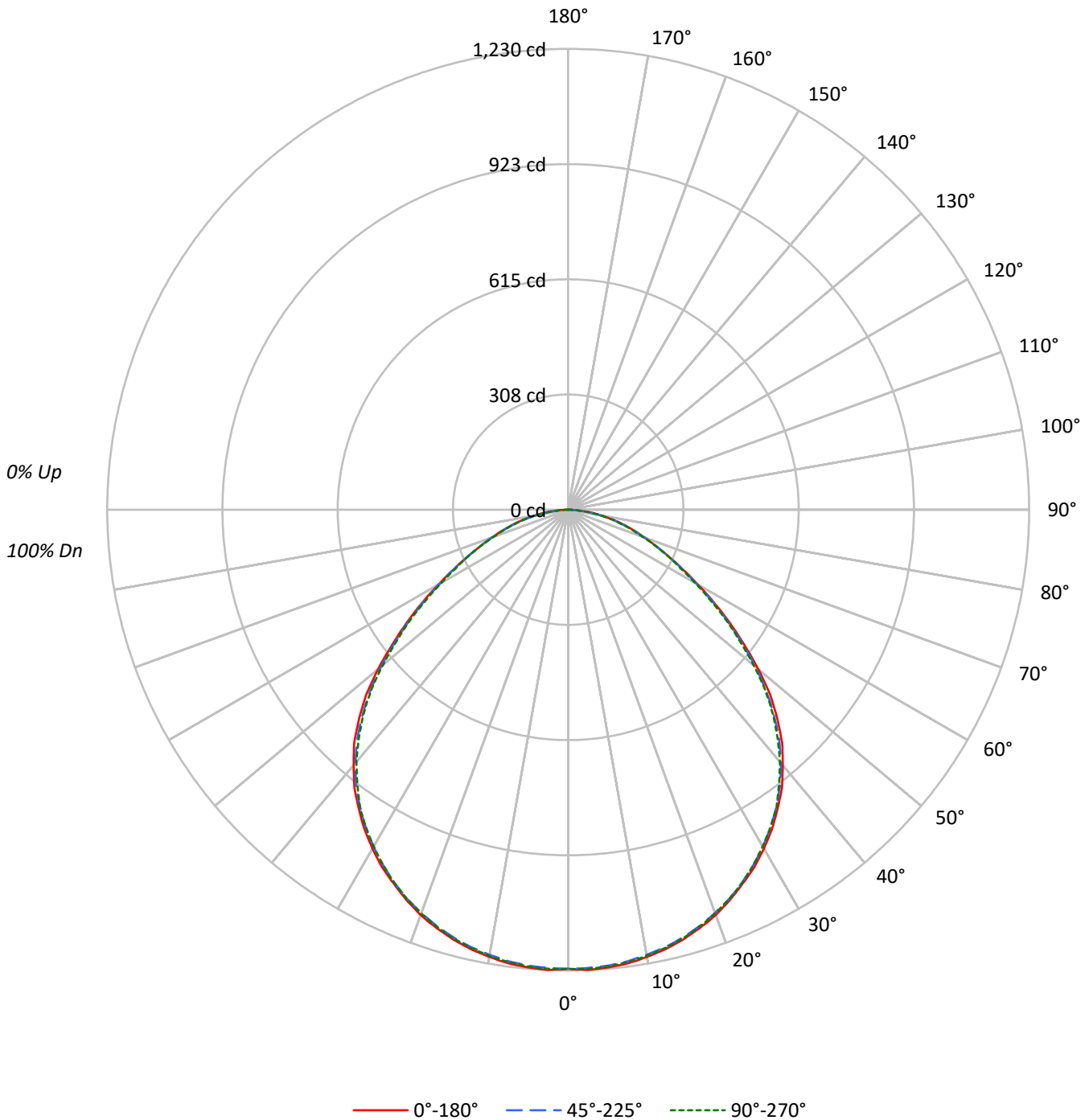
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3121.0 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1757	1757	1757
5°	1765	1758	1761
10°	1765	1756	1760
15°	1762	1755	1758
20°	1757	1748	1749
25°	1742	1737	1738
30°	1729	1719	1719
35°	1705	1695	1697
40°	1666	1652	1645
45°	1600	1574	1566
50°	1477	1455	1442
55°	1314	1296	1287
60°	1146	1133	1121
65°	1004	1005	1000
70°	903	901	888
75°	842	817	819
80°	751	737	737
85°	579	597	574



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.2	3.7
10°-20°	333.8	10.7
20°-30°	506.1	16.2
30°-40°	605.3	19.4
40°-50°	597.6	19.1
50°-60°	465.2	14.9
60°-70°	295.3	9.5
70°-80°	158.5	5.1
80°-90°	43.0	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°	956.1	30.6
0°-40°	1561.4	50.0
0°-60°	2624.2	84.1
0°-90°	3121.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3121.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1226	1223	1221	1221	1223	117
15°	1187	1183	1182	1181	1184	335
25°	1101	1099	1098	1096	1099	508
35°	974	972	968	965	969	609
45°	789	784	776	772	772	606
55°	526	523	518	515	515	471
65°	296	297	296	292	295	297
75°	152	150	148	147	148	161
85°	35	36	36	36	35	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1225.5	1225.5	1225.5	1225.5	1225.5
2.5°	1229.6	1225.5	1224.1	1223.4	1226.5
5°	1226.5	1222.7	1221.4	1220.7	1223.4
7.5°	1221.4	1216.9	1215.6	1214.9	1218.0
10°	1212.1	1208.0	1206.3	1206.3	1209.1
12.5°	1201.2	1197.8	1196.1	1194.7	1197.8
15°	1187.2	1183.1	1182.0	1180.7	1184.1
17.5°	1170.4	1166.3	1164.9	1164.2	1166.6
20°	1151.2	1146.1	1145.4	1145.1	1146.5
22.5°	1127.6	1124.9	1123.5	1122.8	1123.9
25°	1101.3	1099.2	1097.9	1095.8	1098.6
27.5°	1075.6	1072.9	1069.5	1067.8	1069.5
30°	1044.2	1040.7	1038.3	1037.7	1038.3
32.5°	1011.7	1008.2	1005.2	1004.8	1004.5
35°	974.0	972.0	968.2	965.1	969.2
37.5°	936.7	931.9	928.5	924.8	923.7
40°	890.2	888.5	882.7	879.3	878.9
42.5°	845.0	837.2	833.1	830.7	826.9
45°	788.9	783.5	776.3	772.5	772.2
47.5°	730.4	723.6	716.7	711.6	713.0
50°	662.0	658.9	652.4	648.0	646.3
52.5°	591.5	590.8	584.0	581.3	578.2
55°	525.8	523.1	518.3	514.9	514.9
57.5°	461.2	458.8	456.4	449.9	449.9
60°	399.6	399.3	395.2	391.4	391.0
62.5°	344.5	346.6	342.8	339.0	337.0
65°	295.9	297.0	296.3	292.5	294.6
67.5°	253.2	253.5	252.1	250.1	251.5
70°	215.5	217.2	214.9	213.5	211.8
72.5°	182.7	182.0	180.0	181.0	178.6
75°	151.9	149.5	147.5	147.1	147.8
77.5°	121.1	120.4	118.7	118.7	117.7
80°	91.0	90.3	89.3	89.6	89.3
82.5°	64.7	63.0	61.6	62.3	62.6
85°	35.2	35.9	36.3	36.3	34.9
87.5°	14.4	14.0	14.4	15.1	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)