

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: P738167

Luminaire Tested: **22PT-35-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PW1-L830
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

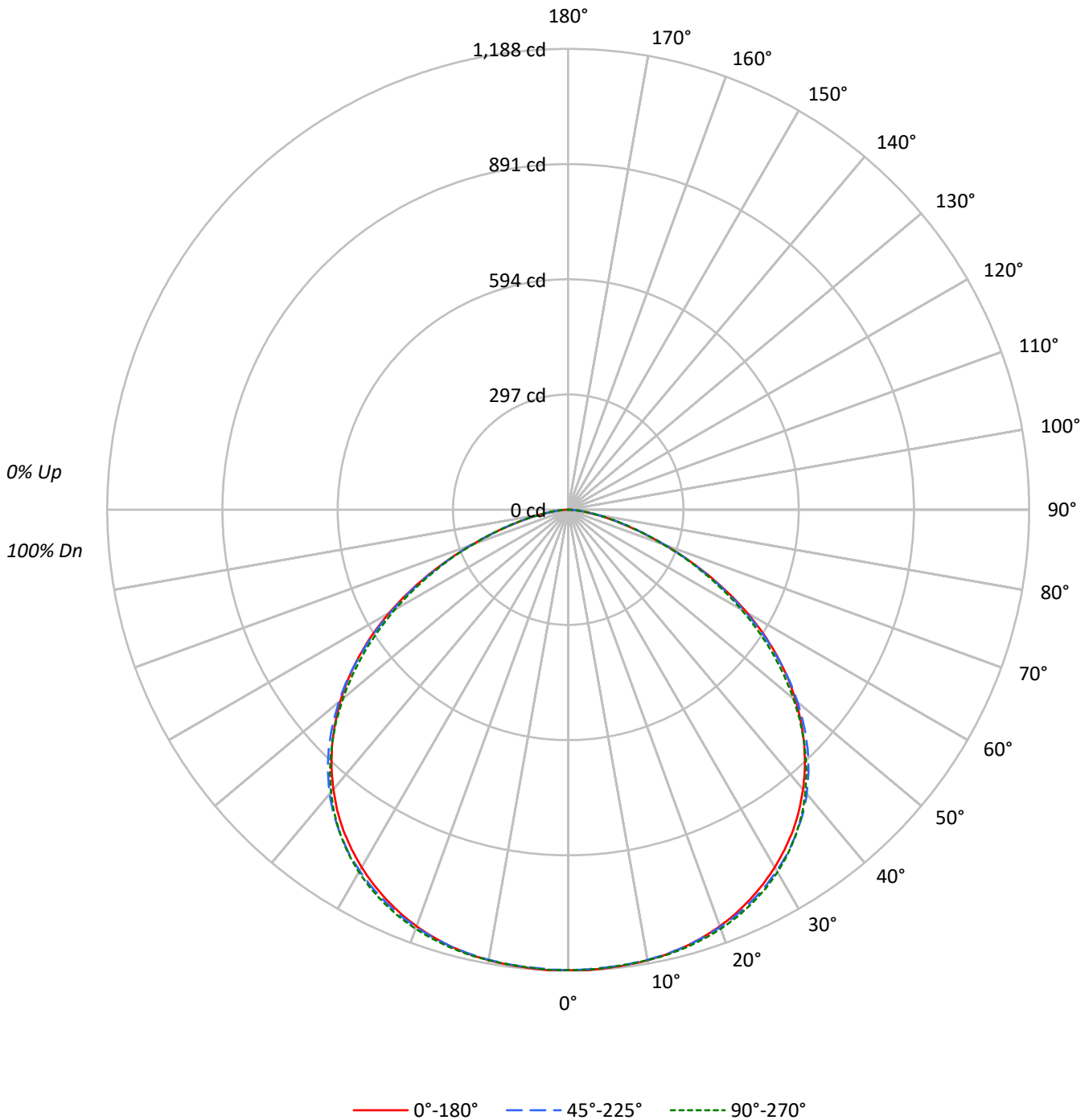
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3431.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 26.3
Input Voltage (V): NR
Input Current (A_{in}): 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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
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	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3478	3478	3478
5°	3487	3482	3484
10°	3510	3505	3509
15°	3537	3536	3546
20°	3564	3571	3586
25°	3585	3605	3622
30°	3603	3637	3650
35°	3612	3658	3660
40°	3600	3659	3638
45°	3565	3616	3572
50°	3493	3518	3453
55°	3357	3342	3279
60°	3125	3090	3025
65°	2756	2729	2677
70°	2257	2268	2221
75°	1709	1767	1754
80°	1239	1289	1267
85°	810	840	898



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.9	3.3
10°-20°	329.6	9.6
20°-30°	513.9	15.0
30°-40°	637.0	18.6
40°-50°	666.5	19.4
50°-60°	580.8	16.9
60°-70°	389.1	11.3
70°-80°	168.7	4.9
80°-90°	32.5	0.9
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°	956.4	27.9
0°-40°	1593.4	46.4
0°-60°	2840.8	82.8
0°-90°	3431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1187	1187	1187	1187	1187	
5°	1186	1184	1184	1184	1184	113
15°	1166	1164	1166	1167	1169	329
25°	1109	1109	1115	1119	1120	511
35°	1010	1013	1023	1024	1023	631
45°	860	865	873	865	862	662
55°	657	657	654	647	642	585
65°	398	395	394	390	386	393
75°	151	154	156	155	155	166
85°	24	26	25	26	27	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1187.0	1187.0	1187.0	1187.0	1187.0
2.5°	1188.2	1186.1	1185.6	1185.6	1187.0
5°	1185.6	1184.4	1183.9	1183.6	1184.4
7.5°	1183.1	1181.4	1181.9	1181.0	1181.9
10°	1179.7	1178.1	1178.1	1178.1	1179.3
12.5°	1173.8	1172.5	1173.0	1173.8	1175.5
15°	1166.1	1164.4	1165.8	1167.0	1169.1
17.5°	1155.5	1154.3	1156.4	1158.5	1160.2
20°	1142.9	1141.5	1145.3	1148.4	1150.1
22.5°	1127.1	1126.7	1131.8	1135.2	1136.4
25°	1108.9	1109.3	1115.2	1118.6	1120.3
27.5°	1088.0	1089.0	1096.6	1099.6	1101.2
30°	1064.8	1066.8	1075.0	1077.4	1078.8
32.5°	1038.4	1041.5	1051.2	1052.9	1052.9
35°	1009.7	1013.4	1022.7	1024.0	1023.2
37.5°	977.4	981.6	992.2	990.5	989.2
40°	941.3	945.9	956.5	953.2	951.1
42.5°	902.7	907.4	916.7	911.7	908.6
45°	860.3	865.0	872.6	865.4	862.0
47.5°	814.4	820.0	823.8	815.8	811.5
50°	766.2	767.8	771.7	762.3	757.6
52.5°	713.5	713.5	716.5	706.3	700.7
55°	657.1	656.6	654.2	646.9	641.9
57.5°	597.3	594.7	593.0	585.4	579.5
60°	533.3	529.4	527.3	521.0	516.2
62.5°	466.3	464.1	461.5	456.4	451.4
65°	397.5	395.3	393.6	389.9	386.1
67.5°	329.2	327.9	327.9	325.4	324.9
70°	263.5	264.3	264.7	264.7	259.2
72.5°	204.0	204.5	206.6	204.9	204.5
75°	151.0	153.6	156.1	154.9	154.9
77.5°	108.6	112.4	112.4	111.5	110.3
80°	73.4	75.1	76.4	75.9	75.1
82.5°	46.7	47.9	46.7	47.5	47.9
85°	24.1	25.8	25.0	25.5	26.7
87.5°	8.0	8.9	9.4	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)