

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: P738151

Luminaire Tested: **22PT-35-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PP3-L830
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

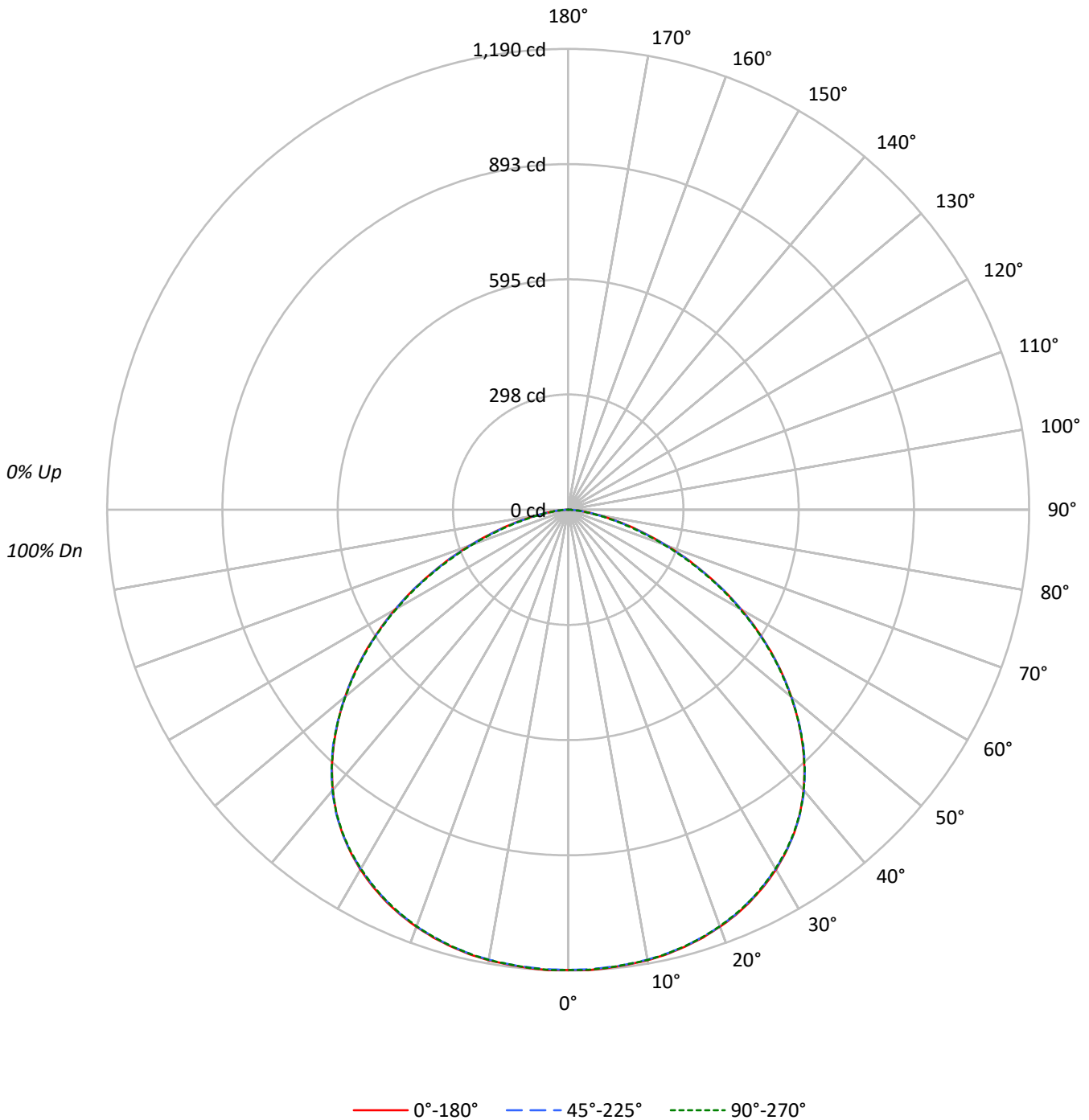
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3410.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
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	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	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	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	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°	3482	3482	3482
5°	3493	3489	3491
10°	3515	3510	3513
15°	3543	3539	3539
20°	3574	3570	3569
25°	3605	3599	3599
30°	3631	3624	3622
35°	3641	3641	3637
40°	3617	3625	3617
45°	3545	3555	3550
50°	3427	3432	3422
55°	3262	3254	3247
60°	3028	3021	2997
65°	2705	2702	2671
70°	2312	2298	2247
75°	1842	1788	1733
80°	1313	1286	1218
85°	854	854	827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	3.3
10°-20°	329.7	9.7
20°-30°	513.4	15.1
30°-40°	635.4	18.6
40°-50°	658.9	19.3
50°-60°	567.9	16.7
60°-70°	386.1	11.3
70°-80°	172.8	5.1
80°-90°	32.9	1.0
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	28.0
0°-40°	1591.5	46.7
0°-60°	2818.2	82.6
0°-90°	3410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1188	1188	1188	1188	1188	
5°	1188	1185	1186	1186	1187	113
15°	1168	1166	1167	1166	1167	330
25°	1115	1114	1113	1113	1113	514
35°	1018	1017	1018	1016	1017	636
45°	856	855	858	856	857	659
55°	638	636	637	636	636	569
65°	390	393	390	388	385	387
75°	163	163	158	157	153	175
85°	25	26	25	25	25	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1188.5	1188.5	1188.5	1188.5	1188.5
2.5°	1190.2	1187.7	1187.7	1188.2	1189.4
5°	1187.7	1185.4	1186.2	1185.7	1186.9
7.5°	1184.6	1182.6	1183.8	1182.9	1183.8
10°	1181.4	1179.4	1179.8	1179.4	1180.6
12.5°	1175.8	1173.5	1174.3	1174.3	1174.7
15°	1167.9	1165.9	1166.7	1165.9	1166.7
17.5°	1158.3	1156.0	1156.4	1156.0	1156.8
20°	1146.1	1144.5	1144.9	1144.1	1144.5
22.5°	1132.2	1130.2	1130.6	1129.9	1129.9
25°	1115.2	1113.5	1113.2	1112.7	1113.2
27.5°	1095.2	1093.3	1093.3	1092.9	1092.9
30°	1073.1	1071.1	1071.1	1070.6	1070.6
32.5°	1046.8	1046.0	1046.5	1045.7	1045.3
35°	1017.9	1016.7	1017.9	1016.3	1016.7
37.5°	984.2	982.6	984.9	983.4	983.7
40°	945.7	944.9	947.7	946.4	945.7
42.5°	902.8	902.8	904.0	904.4	903.6
45°	855.6	854.8	858.0	856.0	856.7
47.5°	804.8	803.6	806.0	805.5	805.2
50°	751.7	750.8	752.8	750.8	750.8
52.5°	696.5	696.0	696.5	694.5	694.0
55°	638.5	636.2	636.9	635.7	635.7
57.5°	578.2	575.4	575.8	575.4	575.8
60°	516.7	515.8	515.5	513.5	511.5
62.5°	453.6	454.4	454.0	451.2	449.2
65°	390.1	393.3	389.7	388.5	385.3
67.5°	330.2	331.3	329.0	326.2	322.6
70°	269.9	272.2	268.2	265.4	262.3
72.5°	212.3	213.9	210.3	208.8	204.8
75°	162.7	163.2	157.9	157.1	153.1
77.5°	115.9	117.4	113.5	113.5	109.5
80°	77.8	80.6	76.2	75.0	72.2
82.5°	48.9	49.2	48.0	46.9	45.6
85°	25.4	26.2	25.4	24.6	24.6
87.5°	9.6	9.9	9.6	9.1	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)