

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: P738158

Luminaire Tested: **22PT-35-PP3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738158
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-L950
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

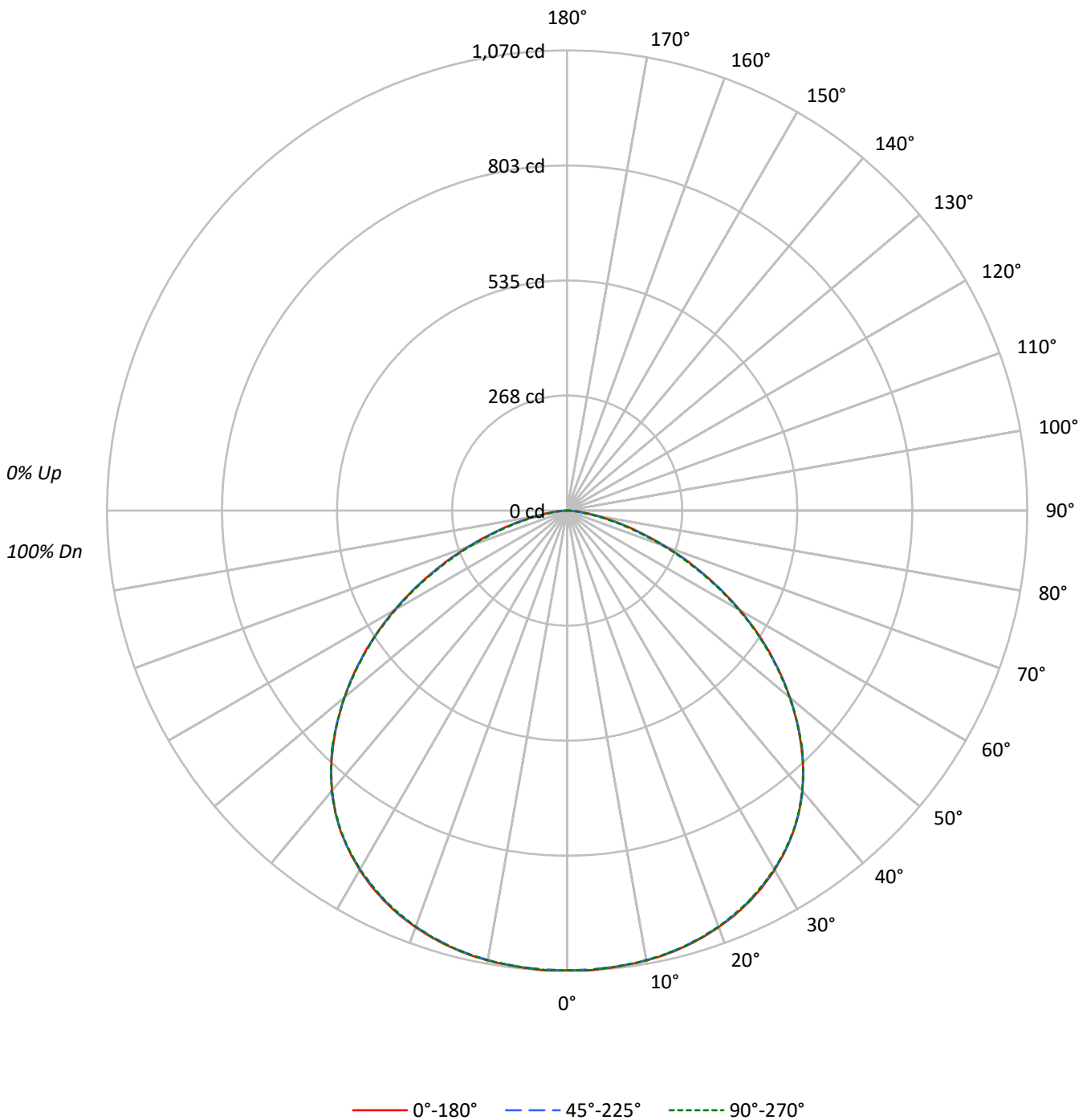
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3067.0 lumens
Efficiency: N/A
Efficacy: 116.6 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

TEST NUMBER: P738158
CATALOG NUMBER: 22PT-35-PP3-L950

Luminous Intensity Polar Plot





TEST NUMBER: P738158

CATALOG NUMBER: 22PT-35-PP3-L950

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°	3132	3132	3132
5°	3142	3138	3140
10°	3161	3157	3159
15°	3186	3183	3183
20°	3214	3211	3210
25°	3243	3237	3237
30°	3266	3260	3258
35°	3275	3275	3271
40°	3253	3260	3253
45°	3189	3198	3193
50°	3082	3086	3078
55°	2934	2927	2921
60°	2724	2717	2696
65°	2432	2430	2402
70°	2079	2066	2021
75°	1656	1608	1559
80°	1181	1158	1097
85°	767	767	743



TEST NUMBER: P738158

CATALOG NUMBER: 22PT-35-PP3-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	3.3
10°-20°	296.5	9.7
20°-30°	461.7	15.1
30°-40°	571.5	18.6
40°-50°	592.6	19.3
50°-60°	510.8	16.7
60°-70°	347.2	11.3
70°-80°	155.4	5.1
80°-90°	29.6	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°	859.9	28.0
0°-40°	1431.4	46.7
0°-60°	2534.8	82.6
0°-90°	3067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1069	1069	1069	1069	1069	
5°	1068	1066	1067	1066	1068	102
15°	1050	1049	1049	1049	1049	297
25°	1003	1002	1001	1001	1001	462
35°	916	914	916	914	914	572
45°	770	769	772	770	771	592
55°	574	572	573	572	572	512
65°	351	354	350	349	346	348
75°	146	147	142	141	138	157
85°	23	24	23	22	22	30
90°	0	0	0	0	0	



TEST NUMBER: P738158

CATALOG NUMBER: 22PT-35-PP3-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1069.0	1069.0	1069.0	1069.0	1069.0
2.5°	1070.5	1068.3	1068.3	1068.7	1069.8
5°	1068.3	1066.2	1066.9	1066.5	1067.6
7.5°	1065.5	1063.6	1064.8	1063.9	1064.8
10°	1062.5	1060.7	1061.1	1060.7	1061.8
12.5°	1057.5	1055.4	1056.1	1056.1	1056.5
15°	1050.4	1048.6	1049.3	1048.6	1049.3
17.5°	1041.8	1039.7	1040.1	1039.7	1040.4
20°	1030.8	1029.4	1029.7	1029.0	1029.4
22.5°	1018.3	1016.5	1016.9	1016.2	1016.2
25°	1003.0	1001.5	1001.2	1000.8	1001.2
27.5°	985.1	983.4	983.4	983.0	983.0
30°	965.2	963.4	963.4	962.9	962.9
32.5°	941.5	940.8	941.2	940.5	940.1
35°	915.5	914.4	915.5	914.1	914.4
37.5°	885.2	883.8	885.9	884.5	884.8
40°	850.5	849.8	852.3	851.2	850.5
42.5°	812.0	812.0	813.1	813.4	812.7
45°	769.6	768.9	771.7	769.9	770.6
47.5°	723.8	722.8	724.9	724.5	724.2
50°	676.1	675.3	677.1	675.3	675.3
52.5°	626.4	626.0	626.4	624.6	624.2
55°	574.3	572.2	572.9	571.8	571.8
57.5°	520.0	517.5	517.9	517.5	517.9
60°	464.8	464.0	463.7	461.9	460.1
62.5°	408.0	408.7	408.3	405.8	404.0
65°	350.8	353.7	350.5	349.4	346.5
67.5°	297.0	298.0	295.9	293.4	290.2
70°	242.7	244.8	241.2	238.7	235.9
72.5°	191.0	192.4	189.2	187.8	184.2
75°	146.3	146.7	142.0	141.3	137.7
77.5°	104.2	105.6	102.1	102.1	98.5
80°	70.0	72.5	68.6	67.5	65.0
82.5°	43.9	44.2	43.1	42.1	41.0
85°	22.8	23.5	22.8	22.1	22.1
87.5°	8.6	8.9	8.6	8.2	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)