

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: P738157

Luminaire Tested: **22PT-35-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738157
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-L940
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

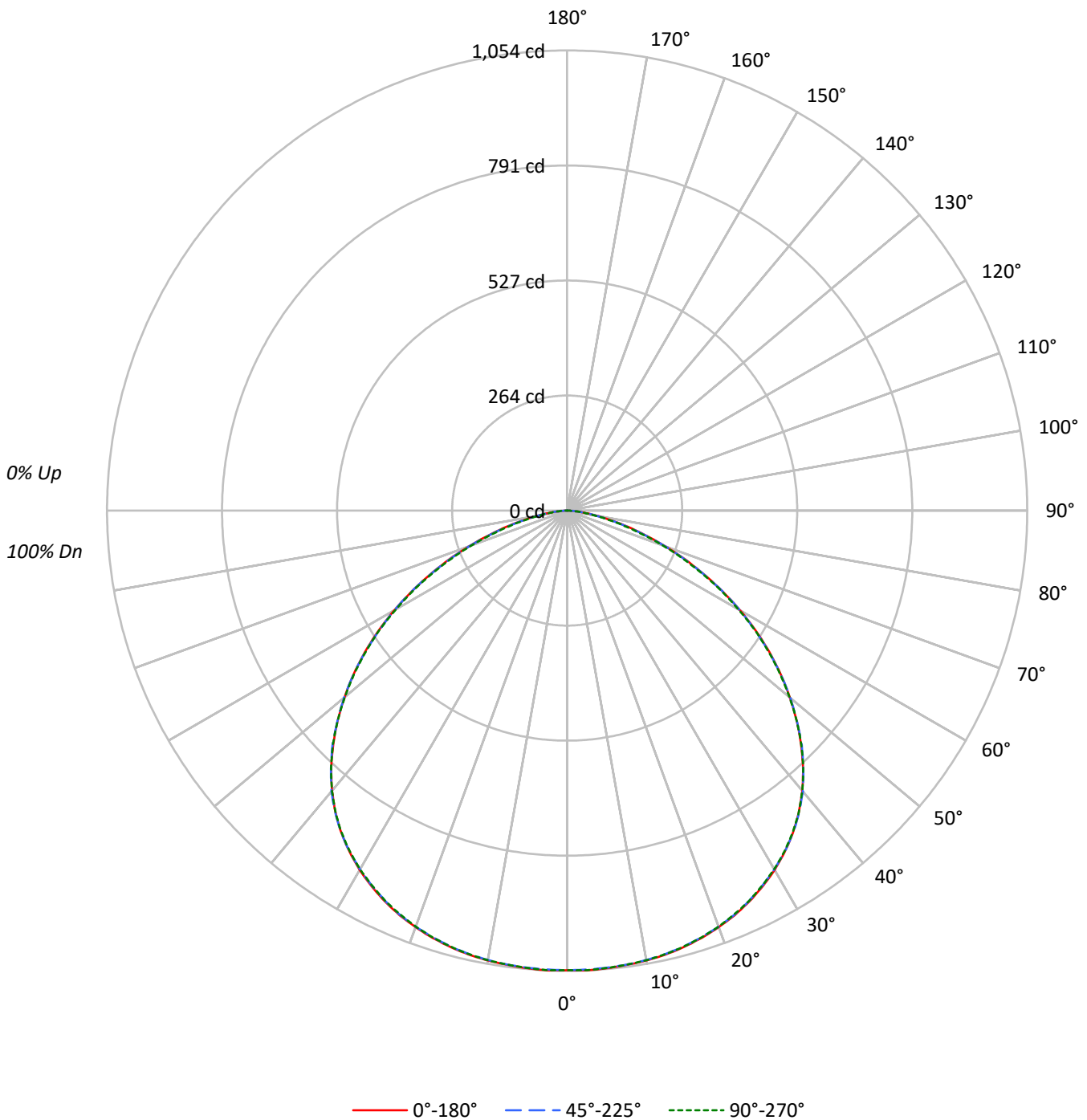
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3021.0 lumens
Efficiency: N/A
Efficacy: 114.9 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: P738157
CATALOG NUMBER: 22PT-35-PP3-L940

Luminous Intensity Polar Plot





TEST NUMBER: P738157

CATALOG NUMBER: 22PT-35-PP3-L940

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°	3085	3085	3085
5°	3095	3091	3093
10°	3114	3110	3112
15°	3139	3135	3135
20°	3166	3163	3162
25°	3194	3188	3188
30°	3217	3210	3209
35°	3226	3226	3222
40°	3205	3211	3205
45°	3141	3150	3145
50°	3035	3040	3032
55°	2890	2883	2877
60°	2683	2676	2656
65°	2396	2394	2366
70°	2048	2036	1991
75°	1631	1584	1536
80°	1163	1139	1080
85°	756	756	733



TEST NUMBER: P738157

CATALOG NUMBER: 22PT-35-PP3-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.1	3.3
10°-20°	292.1	9.7
20°-30°	454.8	15.1
30°-40°	562.9	18.6
40°-50°	583.7	19.3
50°-60°	503.1	16.7
60°-70°	342.0	11.3
70°-80°	153.1	5.1
80°-90°	29.2	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°	847.0	28.0
0°-40°	1409.9	46.7
0°-60°	2496.7	82.6
0°-90°	3021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3021.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1053	1053	1053	1053	1053	
5°	1052	1050	1051	1050	1052	100
15°	1035	1033	1034	1033	1034	292
25°	988	986	986	986	986	456
35°	902	901	902	900	901	563
45°	758	757	760	758	759	583
55°	566	564	564	563	563	504
65°	346	348	345	344	341	343
75°	144	144	140	139	136	155
85°	22	23	22	22	22	30
90°	0	0	0	0	0	



TEST NUMBER: P738157

CATALOG NUMBER: 22PT-35-PP3-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1052.9	1052.9	1052.9	1052.9	1052.9
2.5°	1054.4	1052.2	1052.2	1052.6	1053.7
5°	1052.2	1050.2	1050.9	1050.5	1051.5
7.5°	1049.5	1047.7	1048.8	1048.0	1048.8
10°	1046.6	1044.8	1045.2	1044.8	1045.9
12.5°	1041.7	1039.6	1040.3	1040.3	1040.7
15°	1034.7	1032.9	1033.6	1032.9	1033.6
17.5°	1026.2	1024.1	1024.5	1024.1	1024.8
20°	1015.4	1014.0	1014.3	1013.6	1014.0
22.5°	1003.0	1001.3	1001.7	1001.0	1001.0
25°	987.9	986.5	986.2	985.8	986.2
27.5°	970.3	968.6	968.6	968.2	968.2
30°	950.7	948.9	948.9	948.5	948.5
32.5°	927.4	926.7	927.1	926.4	926.0
35°	901.8	900.7	901.8	900.4	900.7
37.5°	871.9	870.5	872.6	871.2	871.5
40°	837.8	837.1	839.6	838.5	837.8
42.5°	799.8	799.8	800.9	801.2	800.5
45°	758.0	757.3	760.1	758.3	759.0
47.5°	713.0	712.0	714.0	713.6	713.4
50°	665.9	665.1	666.9	665.1	665.1
52.5°	617.0	616.6	617.0	615.2	614.9
55°	565.7	563.6	564.3	563.2	563.2
57.5°	512.2	509.7	510.1	509.7	510.1
60°	457.8	457.0	456.7	454.9	453.2
62.5°	401.9	402.6	402.2	399.7	397.9
65°	345.6	348.4	345.3	344.2	341.3
67.5°	292.5	293.5	291.5	289.0	285.8
70°	239.1	241.2	237.6	235.2	232.4
72.5°	188.1	189.5	186.3	185.0	181.4
75°	144.1	144.5	139.9	139.2	135.7
77.5°	102.6	104.0	100.6	100.6	97.0
80°	68.9	71.4	67.5	66.5	64.0
82.5°	43.3	43.6	42.5	41.5	40.4
85°	22.5	23.2	22.5	21.8	21.8
87.5°	8.5	8.8	8.5	8.1	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)