

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: P738149

Luminaire Tested: **22PT-35-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-35-PL1-L940
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

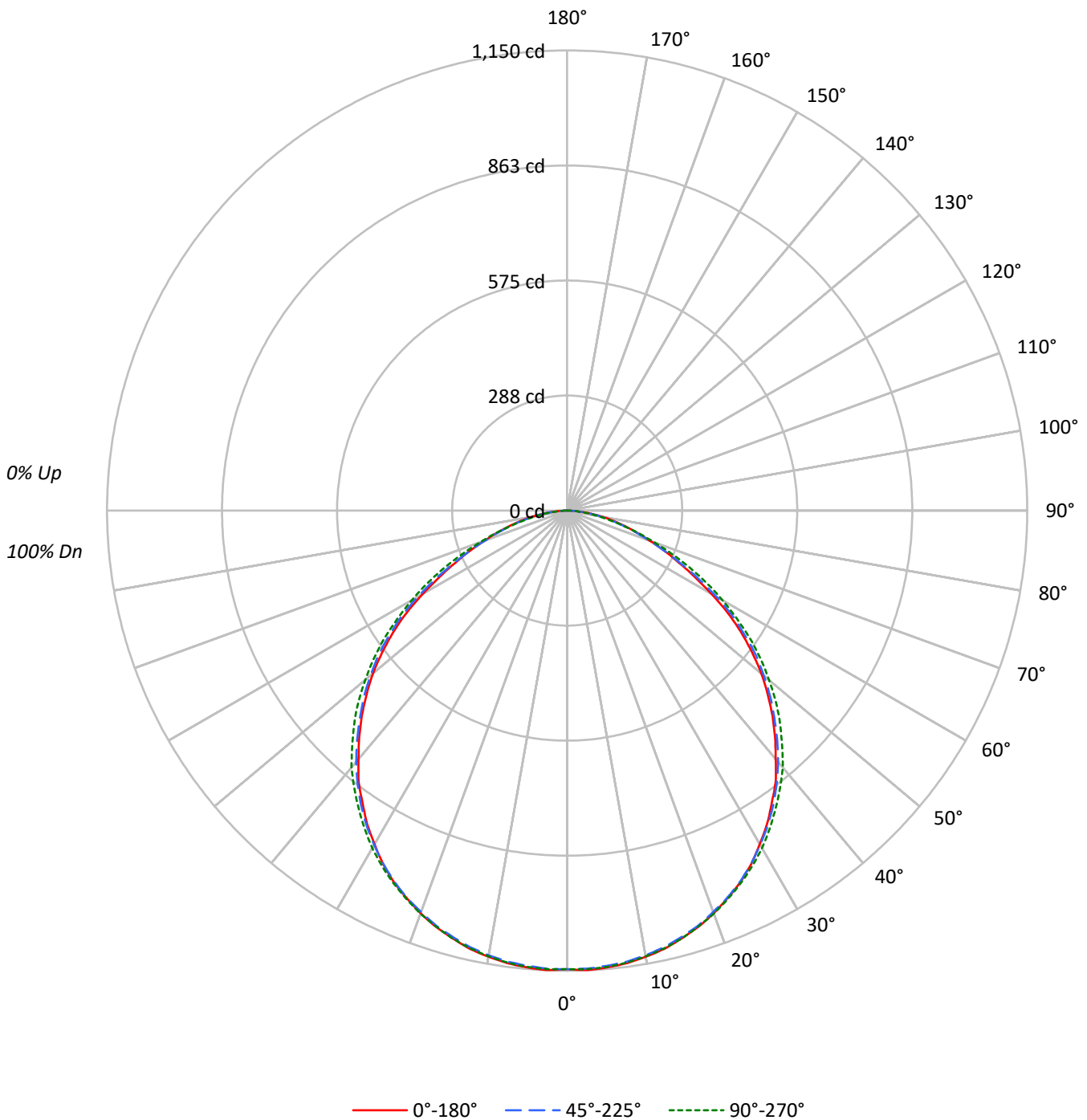
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3020.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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: P738149
CATALOG NUMBER: 22PT-35-PL1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P738149

CATALOG NUMBER: 22PT-35-PL1-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	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	71	65		74	69	64		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	31		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3358	3358	3358
5°	3371	3359	3367
10°	3369	3357	3366
15°	3357	3347	3359
20°	3339	3329	3343
25°	3313	3307	3321
30°	3258	3265	3296
35°	3189	3212	3250
40°	3102	3138	3208
45°	3007	3033	3119
50°	2888	2923	3003
55°	2712	2766	2853
60°	2439	2520	2628
65°	2136	2180	2343
70°	1875	1859	1979
75°	1687	1615	1621
80°	1514	1433	1277
85°	1200	1183	972



TEST NUMBER: P738149

CATALOG NUMBER: 22PT-35-PL1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	3.6
10°-20°	311.7	10.3
20°-30°	471.5	15.6
30°-40°	562.2	18.6
40°-50°	567.6	18.8
50°-60°	484.2	16.0
60°-70°	318.2	10.5
70°-80°	155.8	5.2
80°-90°	40.1	1.3
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°	891.9	29.5
0°-40°	1454.1	48.1
0°-60°	2505.9	83.0
0°-90°	3020.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1146	1146	1146	1146	1146	
5°	1146	1144	1142	1142	1145	109
15°	1107	1105	1103	1104	1107	312
25°	1025	1022	1023	1024	1027	471
35°	892	894	898	904	908	558
45°	726	728	732	746	753	559
55°	531	534	542	554	558	473
65°	308	308	314	329	338	308
75°	149	148	143	142	143	160
85°	36	36	35	32	29	43
90°	0	0	0	0	0	



TEST NUMBER: P738149

CATALOG NUMBER: 22PT-35-PL1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1146.2	1146.2	1146.2	1146.2	1146.2
2.5°	1149.6	1147.2	1145.7	1144.8	1147.2
5°	1146.2	1143.8	1141.9	1141.9	1144.8
7.5°	1140.9	1138.5	1137.1	1136.6	1139.5
10°	1132.2	1129.4	1128.4	1127.9	1131.3
12.5°	1122.1	1117.8	1117.8	1117.3	1120.7
15°	1106.7	1104.8	1103.3	1103.8	1107.2
17.5°	1090.8	1088.8	1087.9	1087.9	1089.8
20°	1071.0	1068.6	1067.6	1068.6	1072.0
22.5°	1048.3	1046.9	1046.9	1047.9	1050.3
25°	1024.7	1022.3	1022.8	1024.2	1027.1
27.5°	995.8	995.3	995.3	998.7	1002.0
30°	963.0	963.0	964.9	969.7	974.1
32.5°	929.7	929.2	933.1	937.4	942.3
35°	891.6	894.0	897.9	904.2	908.5
37.5°	855.9	855.5	860.3	871.4	874.3
40°	811.1	814.5	820.3	831.3	838.6
42.5°	769.1	771.5	776.9	789.9	794.7
45°	725.7	727.7	732.0	746.5	752.7
47.5°	679.9	682.3	688.6	700.7	707.9
50°	633.6	637.0	641.3	652.9	658.7
52.5°	583.0	587.3	595.1	605.7	610.0
55°	530.9	533.8	541.5	554.1	558.4
57.5°	476.4	478.8	489.9	499.1	502.5
60°	416.2	419.0	430.1	444.6	448.5
62.5°	359.3	361.7	371.3	388.7	394.5
65°	308.1	308.1	314.4	328.9	338.0
67.5°	262.8	261.8	262.8	273.9	283.5
70°	218.9	219.4	217.0	223.7	231.0
72.5°	182.8	182.8	177.9	178.9	184.7
75°	149.0	147.6	142.7	141.8	143.2
77.5°	119.1	116.7	112.8	109.9	106.6
80°	89.7	87.8	84.9	80.5	75.7
82.5°	62.7	60.8	58.8	56.4	51.6
85°	35.7	35.7	35.2	32.3	28.9
87.5°	14.5	14.0	13.5	13.0	12.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)