

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: P738164

Luminaire Tested: **22PT-35-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

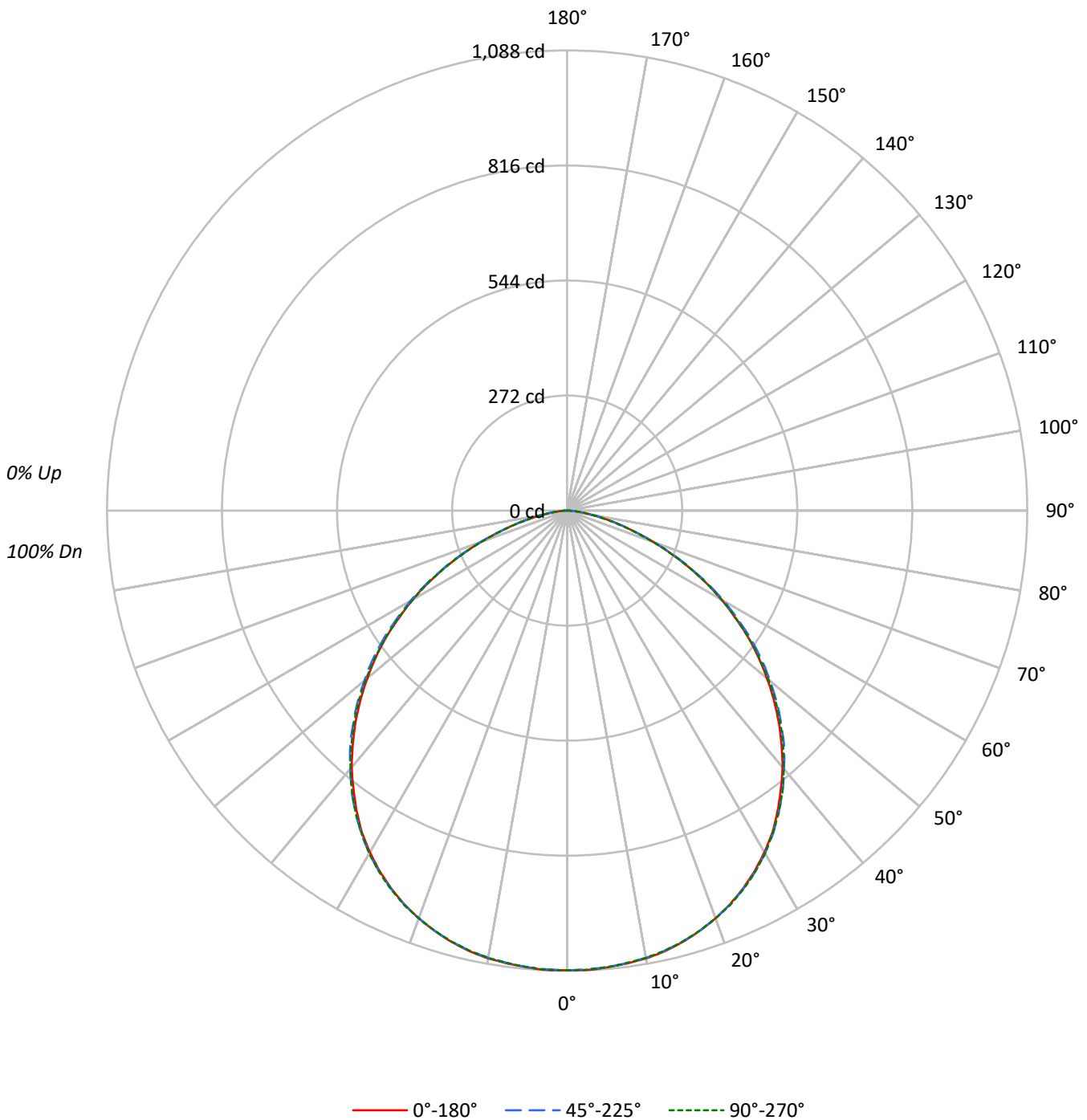
Test Method: LM-79-08  
Report Number: P738164  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PR1-L935  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2904.0 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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 (Ain): 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: P738164  
CATALOG NUMBER: 22PT-35-PR1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P738164

CATALOG NUMBER: 22PT-35-PR1-L935

**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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
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°	3184	3184	3184
5°	3189	3187	3187
10°	3199	3195	3195
15°	3203	3200	3201
20°	3199	3198	3200
25°	3185	3188	3191
30°	3156	3166	3167
35°	3103	3120	3118
40°	3030	3051	3047
45°	2931	2969	2953
50°	2812	2855	2832
55°	2670	2712	2673
60°	2474	2509	2466
65°	2208	2230	2205
70°	1857	1857	1845
75°	1456	1456	1439
80°	1066	1053	1048
85°	696	696	709



TEST NUMBER: P738164

CATALOG NUMBER: 22PT-35-PR1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.1	3.6
10°-20°	297.8	10.3
20°-30°	454.3	15.6
30°-40°	544.4	18.7
40°-50°	549.8	18.9
50°-60°	470.4	16.2
60°-70°	317.2	10.9
70°-80°	140.0	4.8
80°-90°	26.9	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°	855.2	29.4
0°-40°	1399.6	48.2
0°-60°	2419.9	83.3
0°-90°	2904.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2904.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1084	1083	1084	1083	1084	103
15°	1056	1056	1055	1054	1055	298
25°	985	986	986	986	987	454
35°	867	872	872	871	872	542
45°	707	713	716	715	713	545
55°	523	527	531	530	523	466
65°	318	321	322	321	318	315
75°	129	129	129	129	127	140
85°	21	21	21	21	21	27
90°	0	0	0	0	0	



TEST NUMBER: P738164

CATALOG NUMBER: 22PT-35-PR1-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1086.8	1086.8	1086.8	1086.8	1086.8
2.5°	1087.5	1086.1	1085.7	1085.3	1086.8
5°	1084.2	1082.8	1083.5	1082.8	1083.5
7.5°	1080.2	1078.8	1079.2	1078.4	1079.2
10°	1075.2	1073.7	1073.7	1073.0	1073.7
12.5°	1067.1	1066.1	1065.7	1065.0	1066.1
15°	1055.9	1055.6	1054.8	1054.4	1055.1
17.5°	1042.1	1041.4	1042.1	1041.0	1041.7
20°	1025.8	1026.2	1025.5	1025.8	1026.2
22.5°	1007.2	1007.2	1007.7	1007.7	1008.4
25°	985.1	986.2	986.2	986.2	987.0
27.5°	960.5	961.9	962.9	962.2	962.9
30°	932.8	935.4	935.7	935.4	936.1
32.5°	903.0	904.9	905.9	905.2	904.5
35°	867.4	872.5	872.2	871.4	871.8
37.5°	830.1	835.2	836.9	835.5	835.9
40°	792.3	796.7	797.7	798.1	796.7
42.5°	750.5	755.6	759.6	757.8	755.6
45°	707.3	712.7	716.4	715.3	712.7
47.5°	662.7	667.7	672.8	671.0	668.5
50°	616.9	622.0	626.4	625.6	621.2
52.5°	570.1	575.9	579.9	578.4	572.6
55°	522.6	527.3	530.8	530.1	523.3
57.5°	471.0	477.1	479.0	477.8	472.8
60°	422.2	426.3	428.1	426.6	420.8
62.5°	370.3	373.6	375.1	374.7	370.8
65°	318.4	321.0	321.7	321.0	318.0
67.5°	265.1	268.7	269.1	269.1	266.1
70°	216.8	217.8	216.8	219.7	215.4
72.5°	169.9	170.6	169.9	169.9	168.1
75°	128.6	128.9	128.6	128.9	127.1
77.5°	92.9	93.7	92.2	93.4	91.5
80°	63.2	63.2	62.4	62.9	62.1
82.5°	39.2	39.9	38.9	38.9	38.5
85°	20.7	20.7	20.7	21.1	21.1
87.5°	7.3	7.3	7.6	7.6	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)