

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: P738140

Luminaire Tested: **22PT-35-PC3-L935**

Issue Date: 2/8/2024



**Test Information**

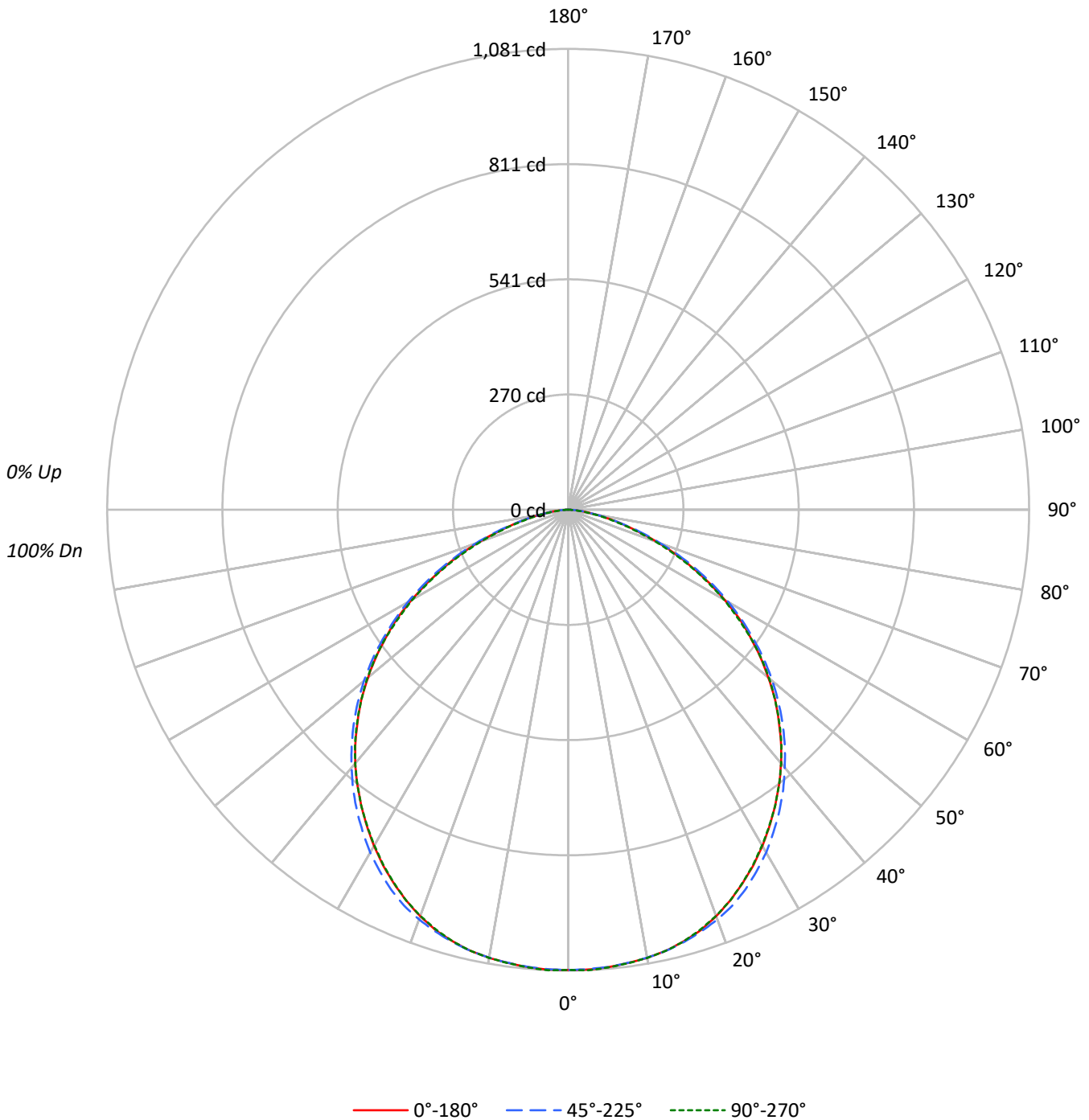
Test Method: LM-79-08  
Report Number: P738140  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-35-PC3-L935  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2901.0 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 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

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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	110	105	101	97	107	103	99	96	99	96	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	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3164	3164	3164
5°	3168	3166	3170
10°	3176	3175	3176
15°	3180	3184	3179
20°	3164	3189	3161
25°	3127	3178	3125
30°	3081	3141	3076
35°	3027	3088	3027
40°	2970	3023	2970
45°	2892	2949	2896
50°	2793	2848	2804
55°	2664	2716	2664
60°	2484	2546	2468
65°	2229	2307	2201
70°	1907	1975	1850
75°	1512	1555	1434
80°	1085	1125	1033
85°	716	740	669



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.5	3.5
10°-20°	295.9	10.2
20°-30°	449.0	15.5
30°-40°	536.2	18.5
40°-50°	545.3	18.8
50°-60°	471.7	16.3
60°-70°	324.6	11.2
70°-80°	147.3	5.1
80°-90°	28.5	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°	847.4	29.2
0°-40°	1383.6	47.7
0°-60°	2400.6	82.8
0°-90°	2901.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2901.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1077	1076	1076	1076	1078	102
15°	1048	1049	1050	1048	1048	296
25°	967	976	983	974	966	446
35°	846	861	863	860	846	529
45°	698	711	712	711	699	538
55°	521	530	532	531	521	466
65°	322	330	333	330	317	319
75°	134	139	137	136	127	144
85°	21	23	22	21	20	28
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1079.8	1079.8	1079.8	1079.8	1079.8
2.5°	1079.8	1078.5	1078.8	1079.2	1081.2
5°	1077.2	1076.1	1076.4	1076.4	1077.8
7.5°	1072.6	1072.3	1072.3	1071.9	1073.0
10°	1067.5	1066.8	1067.1	1066.8	1067.5
12.5°	1059.6	1059.6	1059.9	1058.9	1059.6
15°	1048.2	1048.9	1049.6	1048.0	1048.0
17.5°	1033.8	1035.5	1037.3	1034.2	1032.4
20°	1014.6	1018.8	1022.8	1018.0	1013.9
22.5°	992.3	999.1	1005.4	997.8	992.3
25°	967.2	975.8	983.0	974.1	966.5
27.5°	940.1	949.7	956.5	949.0	938.7
30°	910.6	922.2	928.4	921.2	909.1
32.5°	879.0	892.6	896.4	892.0	878.2
35°	846.3	861.4	863.2	860.1	846.3
37.5°	812.3	826.7	828.1	826.4	812.3
40°	776.6	789.9	790.3	790.3	776.6
42.5°	738.5	751.5	751.5	751.1	739.5
45°	697.9	710.7	711.7	710.9	699.0
47.5°	657.8	667.4	669.0	667.7	657.1
50°	612.8	622.7	624.8	623.4	615.2
52.5°	568.1	577.4	579.4	578.4	569.1
55°	521.4	530.3	531.6	530.7	521.4
57.5°	476.4	482.2	483.6	481.5	469.9
60°	423.8	432.1	434.5	432.1	421.1
62.5°	373.1	381.9	384.0	380.6	368.9
65°	321.5	330.4	332.8	330.1	317.4
67.5°	272.8	279.2	281.3	278.2	266.5
70°	222.6	230.8	230.5	226.3	216.0
72.5°	173.1	184.4	182.4	180.0	168.6
75°	133.6	138.7	137.4	136.0	126.7
77.5°	95.5	101.6	98.3	98.6	90.7
80°	64.3	70.0	66.7	65.2	61.2
82.5°	40.9	43.3	42.6	41.9	38.2
85°	21.3	22.6	22.0	21.3	19.9
87.5°	8.3	9.0	8.3	8.3	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)