

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: P738161

Luminaire Tested: **22PT-35-PR1-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738161  
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-L840  
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

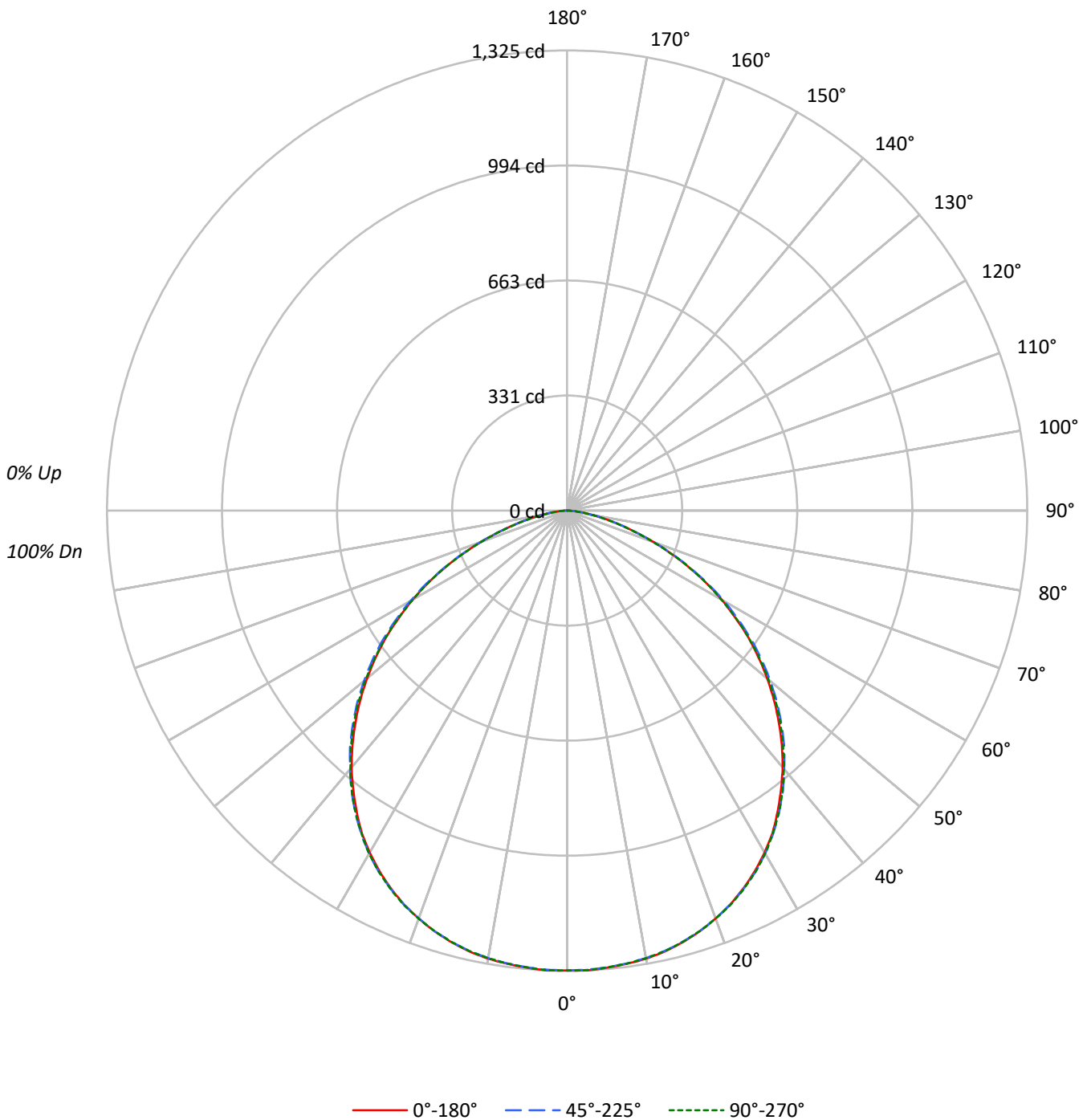
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3539.0 lumens  
Efficiency: N/A  
Efficacy: 134.6 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 (A<sub>in</sub>): 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	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					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°	3881	3881	3881
5°	3886	3884	3884
10°	3898	3893	3893
15°	3903	3899	3901
20°	3898	3897	3900
25°	3881	3885	3889
30°	3846	3858	3860
35°	3781	3802	3801
40°	3693	3718	3714
45°	3572	3618	3599
50°	3427	3479	3451
55°	3253	3305	3258
60°	3016	3057	3005
65°	2691	2718	2687
70°	2263	2263	2249
75°	1774	1774	1754
80°	1299	1284	1277
85°	847	847	864



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.6	3.6
10°-20°	362.9	10.3
20°-30°	553.6	15.6
30°-40°	663.5	18.7
40°-50°	670.1	18.9
50°-60°	573.3	16.2
60°-70°	386.6	10.9
70°-80°	170.6	4.8
80°-90°	32.7	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°	1042.2	29.4
0°-40°	1705.7	48.2
0°-60°	2949.1	83.3
0°-90°	3539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3539.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1321	1320	1320	1320	1320	126
15°	1287	1286	1286	1285	1286	363
25°	1200	1202	1202	1202	1203	553
35°	1057	1063	1063	1062	1062	661
45°	862	869	873	872	869	664
55°	637	643	647	646	638	567
65°	388	391	392	391	388	384
75°	157	157	157	157	155	171
85°	25	25	25	26	26	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1324.4	1324.4	1324.4	1324.4	1324.4
2.5°	1325.3	1323.5	1323.0	1322.7	1324.4
5°	1321.3	1319.6	1320.4	1319.6	1320.4
7.5°	1316.4	1314.7	1315.2	1314.2	1315.2
10°	1310.3	1308.4	1308.4	1307.6	1308.4
12.5°	1300.5	1299.2	1298.7	1297.8	1299.2
15°	1286.7	1286.4	1285.5	1285.0	1285.9
17.5°	1270.0	1269.2	1270.0	1268.7	1269.5
20°	1250.1	1250.6	1249.7	1250.1	1250.6
22.5°	1227.5	1227.5	1228.0	1228.0	1228.9
25°	1200.5	1201.8	1201.8	1201.8	1202.8
27.5°	1170.5	1172.2	1173.5	1172.6	1173.5
30°	1136.8	1139.9	1140.3	1139.9	1140.8
32.5°	1100.5	1102.7	1104.0	1103.1	1102.2
35°	1057.1	1063.3	1063.0	1062.0	1062.5
37.5°	1011.6	1017.8	1019.9	1018.2	1018.7
40°	965.5	970.9	972.1	972.6	970.9
42.5°	914.6	920.9	925.7	923.5	920.9
45°	862.0	868.6	873.1	871.7	868.6
47.5°	807.6	813.7	819.9	817.7	814.7
50°	751.8	758.0	763.3	762.4	757.1
52.5°	694.7	701.8	706.7	704.9	697.8
55°	636.8	642.6	646.9	646.1	637.7
57.5°	574.0	581.4	583.7	582.3	576.2
60°	514.6	519.6	521.7	519.9	512.8
62.5°	451.3	455.3	457.1	456.7	451.8
65°	388.1	391.2	392.1	391.2	387.6
67.5°	323.1	327.5	328.0	328.0	324.3
70°	264.2	265.5	264.2	267.7	262.5
72.5°	207.1	207.9	207.1	207.1	204.8
75°	156.7	157.1	156.7	157.1	154.9
77.5°	113.3	114.1	112.4	113.8	111.5
80°	77.0	77.0	76.1	76.6	75.7
82.5°	47.8	48.7	47.4	47.4	46.9
85°	25.2	25.2	25.2	25.7	25.7
87.5°	8.9	8.9	9.2	9.2	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)