

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: P738482

Luminaire Tested: **24PT-35-PR1-L850**

Issue Date: 2/8/2024



**Test Information**

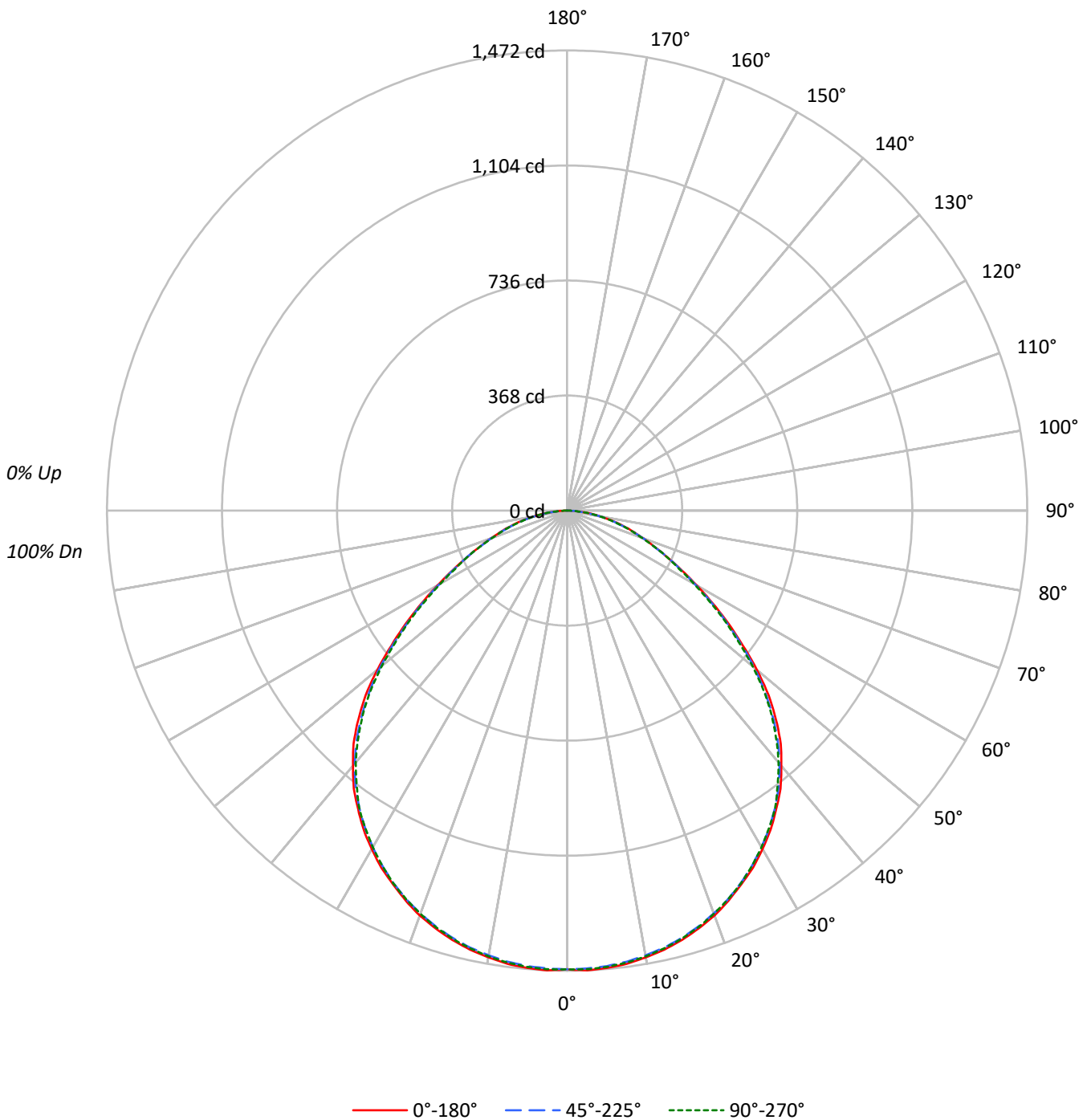
Test Method: LM-79-08  
Report Number: P738482  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-35-PR1-L850  
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3737.0 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.2  
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

TEST NUMBER: P738482  
CATALOG NUMBER: 24PT-35-PR1-L850

### 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	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	2104	2104	2104
5°	2114	2105	2108
10°	2113	2103	2108
15°	2110	2101	2105
20°	2103	2093	2095
25°	2086	2080	2081
30°	2070	2059	2059
35°	2042	2029	2031
40°	1995	1978	1970
45°	1916	1885	1875
50°	1768	1743	1726
55°	1574	1551	1541
60°	1372	1357	1343
65°	1202	1204	1197
70°	1082	1079	1063
75°	1008	978	981
80°	900	883	883
85°	694	714	688



TEST NUMBER: P738482

CATALOG NUMBER: 24PT-35-PR1-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.2	3.7
10°-20°	399.7	10.7
20°-30°	606.0	16.2
30°-40°	724.8	19.4
40°-50°	715.6	19.1
50°-60°	557.0	14.9
60°-70°	353.6	9.5
70°-80°	189.7	5.1
80°-90°	51.4	1.4
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°	1144.8	30.6
0°-40°	1869.6	50.0
0°-60°	3142.2	84.1
0°-90°	3737.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3737.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1467	1467	1467	1467	1467	
5°	1469	1464	1462	1462	1465	140
15°	1422	1417	1415	1414	1418	401
25°	1319	1316	1315	1312	1315	608
35°	1166	1164	1159	1156	1160	729
45°	945	938	930	925	925	725
55°	630	626	621	616	616	564
65°	354	356	355	350	353	356
75°	182	179	177	176	177	192
85°	42	43	43	43	42	52
90°	0	0	0	0	0	



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CATALOG NUMBER: 24PT-35-PR1-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1467.4	1467.4	1467.4	1467.4	1467.4
2.5°	1472.3	1467.4	1465.7	1464.9	1468.6
5°	1468.6	1464.1	1462.4	1461.6	1464.9
7.5°	1462.4	1457.1	1455.5	1454.7	1458.4
10°	1451.4	1446.5	1444.4	1444.4	1447.7
12.5°	1438.3	1434.2	1432.1	1430.5	1434.2
15°	1421.5	1416.6	1415.3	1413.7	1417.8
17.5°	1401.4	1396.5	1394.9	1394.0	1396.9
20°	1378.5	1372.3	1371.5	1371.1	1372.7
22.5°	1350.2	1346.9	1345.3	1344.5	1345.7
25°	1318.7	1316.2	1314.6	1312.1	1315.4
27.5°	1287.9	1284.7	1280.6	1278.5	1280.6
30°	1250.2	1246.2	1243.3	1242.5	1243.3
32.5°	1211.3	1207.2	1203.5	1203.1	1202.7
35°	1166.3	1163.8	1159.3	1155.6	1160.5
37.5°	1121.6	1115.9	1111.8	1107.3	1106.1
40°	1065.9	1063.9	1056.9	1052.8	1052.4
42.5°	1011.8	1002.4	997.5	994.6	990.1
45°	944.7	938.1	929.5	925.0	924.6
47.5°	874.6	866.4	858.2	852.1	853.7
50°	792.7	789.0	781.2	775.9	773.8
52.5°	708.3	707.5	699.3	696.0	692.3
55°	629.6	626.4	620.6	616.5	616.5
57.5°	552.2	549.3	546.5	538.7	538.7
60°	478.5	478.1	473.1	468.6	468.2
62.5°	412.5	415.0	410.5	406.0	403.5
65°	354.3	355.6	354.8	350.3	352.7
67.5°	303.1	303.6	301.9	299.5	301.1
70°	258.1	260.1	257.3	255.6	253.6
72.5°	218.8	217.9	215.5	216.7	213.8
75°	181.9	179.0	176.6	176.1	177.0
77.5°	145.0	144.2	142.1	142.1	140.9
80°	109.0	108.1	106.9	107.3	106.9
82.5°	77.4	75.4	73.7	74.6	75.0
85°	42.2	43.0	43.4	43.4	41.8
87.5°	17.2	16.8	17.2	18.0	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)