

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: P738472

Luminaire Tested: **24PT-35-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-35-PL1-L835
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

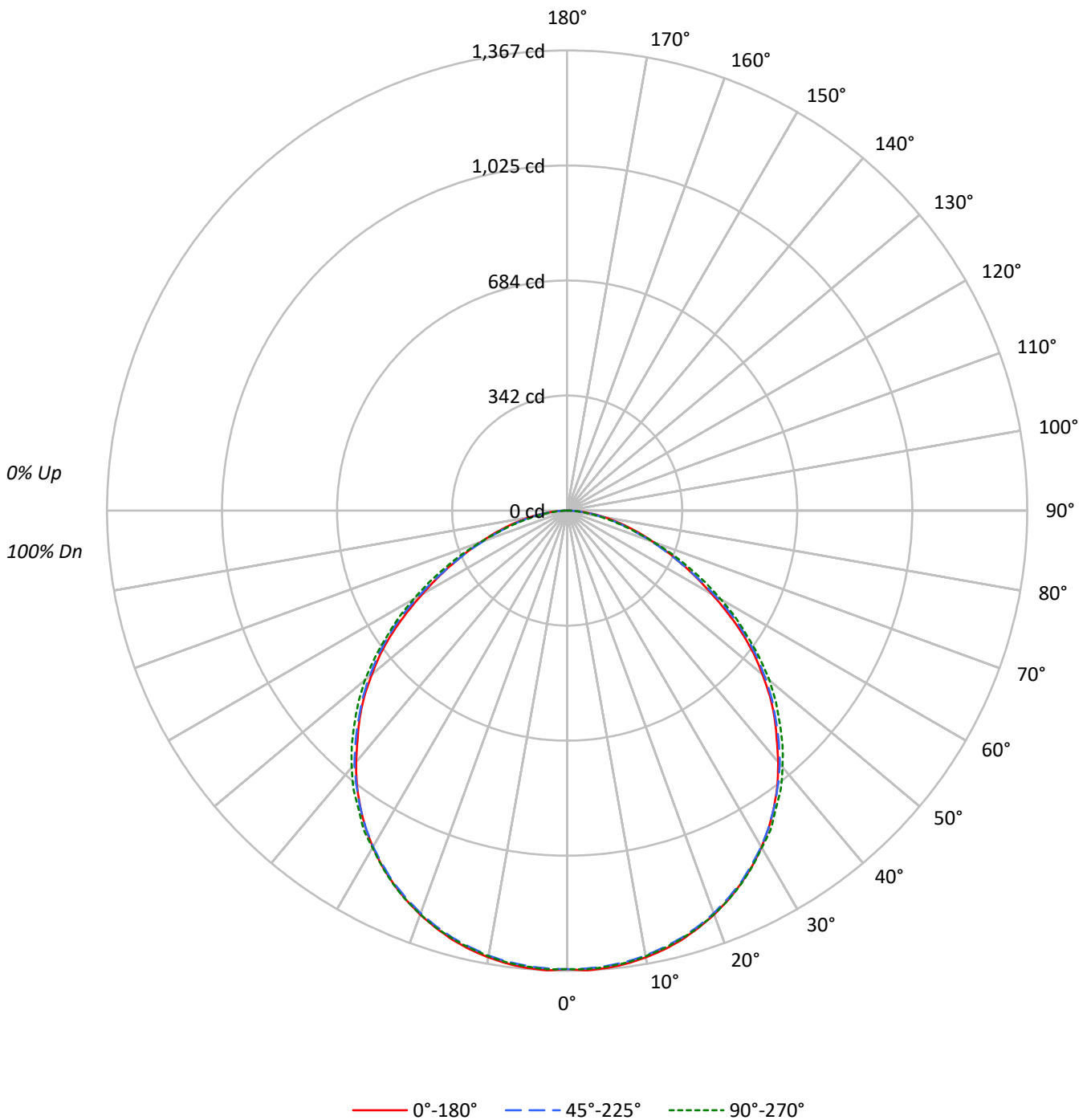
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3606.0 lumens
Efficiency: N/A
Efficacy: 127.9 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_{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

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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	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	70	65	74	69	64	71	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	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	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	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1953	1953	1953
5°	1963	1955	1957
10°	1962	1954	1957
15°	1958	1950	1954
20°	1949	1942	1947
25°	1934	1930	1936
30°	1911	1909	1915
35°	1877	1878	1892
40°	1825	1839	1864
45°	1768	1776	1811
50°	1689	1708	1750
55°	1586	1615	1640
60°	1424	1459	1513
65°	1274	1277	1346
70°	1136	1105	1144
75°	1026	966	948
80°	912	850	750
85°	747	709	586



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.2	3.6
10°-20°	371.0	10.3
20°-30°	562.2	15.6
30°-40°	671.8	18.6
40°-50°	677.7	18.8
50°-60°	575.0	15.9
60°-70°	380.4	10.5
70°-80°	188.8	5.2
80°-90°	50.0	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°	1062.4	29.5
0°-40°	1734.2	48.1
0°-60°	2986.8	82.8
0°-90°	3606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3606.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1362	1362	1362	1362	1362	
5°	1364	1359	1358	1357	1360	130
15°	1319	1315	1314	1314	1316	372
25°	1222	1220	1220	1219	1224	563
35°	1072	1071	1073	1078	1081	670
45°	872	871	876	888	893	671
55°	634	636	646	652	656	564
65°	376	375	376	388	397	375
75°	185	180	174	169	171	198
85°	45	45	43	40	36	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1362.3	1362.3	1362.3	1362.3	1362.3
2.5°	1367.0	1362.7	1361.5	1360.8	1363.9
5°	1363.9	1359.2	1358.0	1357.2	1360.0
7.5°	1357.6	1352.5	1351.8	1351.0	1354.5
10°	1347.5	1342.8	1342.0	1341.2	1344.3
12.5°	1335.3	1330.6	1329.0	1329.4	1331.4
15°	1319.3	1314.9	1313.8	1313.8	1316.5
17.5°	1299.3	1295.4	1294.6	1294.2	1297.7
20°	1277.0	1273.0	1273.0	1274.2	1276.2
22.5°	1251.5	1248.8	1247.2	1248.0	1251.9
25°	1222.5	1219.8	1219.8	1219.4	1223.7
27.5°	1190.4	1186.9	1186.9	1190.0	1191.6
30°	1154.4	1151.3	1152.8	1155.2	1156.7
32.5°	1115.6	1113.7	1114.8	1118.4	1124.6
35°	1072.2	1070.6	1072.6	1078.4	1080.8
37.5°	1026.7	1025.6	1028.3	1036.1	1042.8
40°	975.1	975.1	982.5	989.5	995.8
42.5°	921.4	924.9	930.4	941.4	946.9
45°	872.1	870.9	876.0	887.7	893.2
47.5°	817.2	816.1	823.5	831.7	840.7
50°	757.3	756.9	765.9	773.0	784.3
52.5°	699.0	702.5	708.4	714.6	721.3
55°	634.4	635.9	646.1	652.0	655.9
57.5°	564.7	569.8	582.3	590.9	594.4
60°	496.5	499.7	508.7	523.9	527.5
62.5°	434.7	435.8	441.3	458.5	463.2
65°	375.5	374.7	376.3	388.1	396.7
67.5°	321.9	318.8	318.8	325.0	335.6
70°	271.0	266.3	263.5	265.5	272.9
72.5°	228.3	222.0	215.0	213.8	218.5
75°	185.2	180.1	174.3	168.8	171.1
77.5°	147.6	143.3	137.8	131.6	128.4
80°	110.4	108.9	103.0	97.1	90.8
82.5°	77.1	76.0	72.1	67.4	63.4
85°	45.4	45.4	43.1	39.6	35.6
87.5°	20.4	19.6	20.4	17.2	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)