

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: P738516

Luminaire Tested: **24PT-40-PR1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738516
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-40-PR1-L935
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

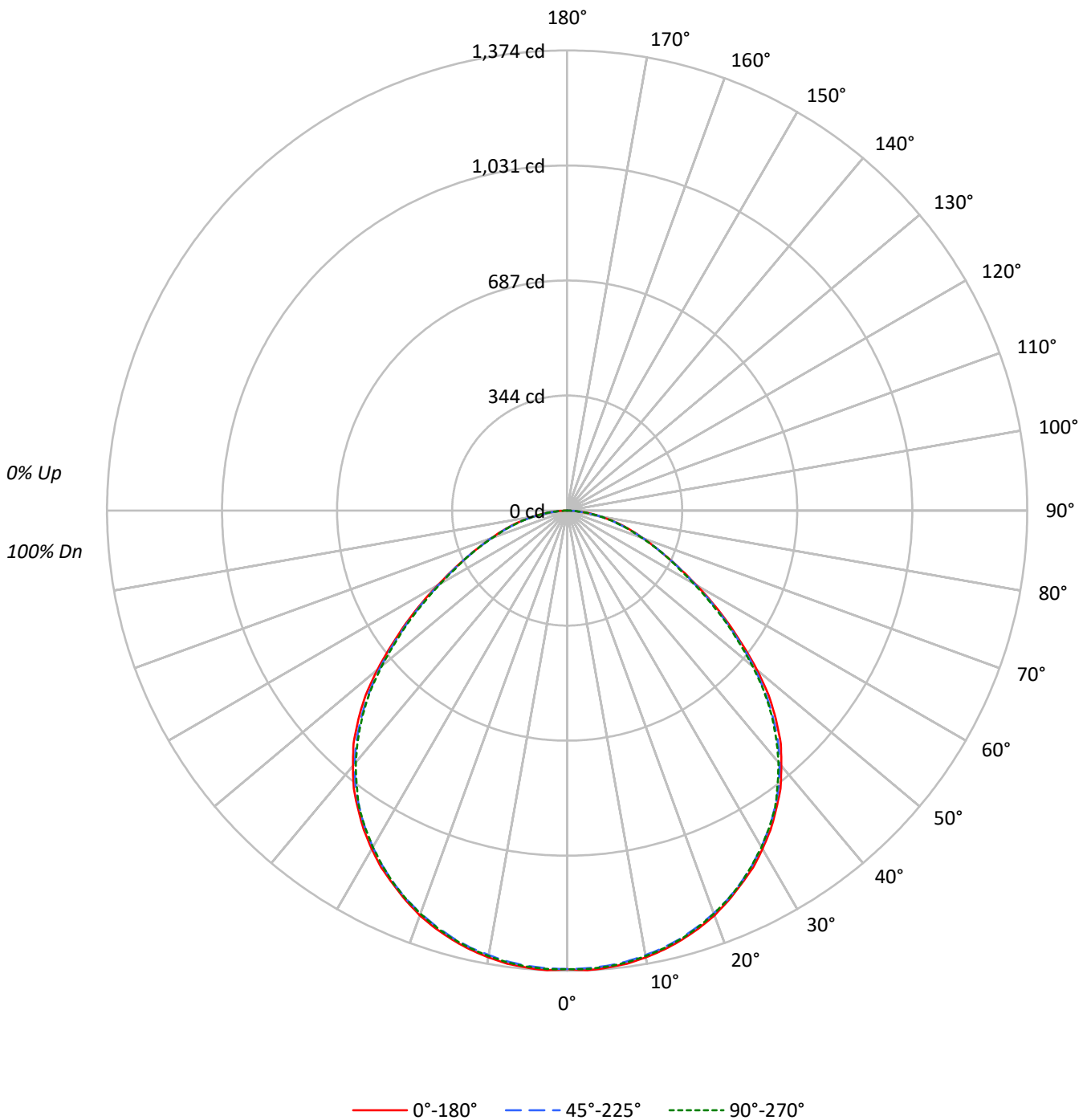
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3487.0 lumens
Efficiency: N/A
Efficacy: 106.6 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): 32.7
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	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°	1963	1963	1963
5°	1972	1964	1967
10°	1972	1962	1967
15°	1969	1961	1964
20°	1963	1953	1955
25°	1947	1941	1942
30°	1932	1921	1921
35°	1905	1894	1896
40°	1862	1846	1838
45°	1787	1759	1749
50°	1650	1626	1611
55°	1469	1448	1438
60°	1280	1266	1253
65°	1122	1123	1117
70°	1010	1006	992
75°	940	912	915
80°	840	824	824
85°	648	666	642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.9	3.7
10°-20°	373.0	10.7
20°-30°	565.4	16.2
30°-40°	676.3	19.4
40°-50°	667.7	19.1
50°-60°	519.7	14.9
60°-70°	329.9	9.5
70°-80°	177.1	5.1
80°-90°	48.0	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°	1068.3	30.6
0°-40°	1744.5	50.0
0°-60°	2932.0	84.1
0°-90°	3487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1369	1369	1369	1369	1369	
5°	1370	1366	1365	1364	1367	130
15°	1326	1322	1321	1319	1323	374
25°	1230	1228	1227	1224	1227	568
35°	1088	1086	1082	1078	1083	680
45°	882	875	867	863	863	677
55°	588	584	579	575	575	526
65°	331	332	331	327	329	332
75°	170	167	165	164	165	179
85°	39	40	40	40	39	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1369.2	1369.2	1369.2	1369.2	1369.2
2.5°	1373.8	1369.2	1367.7	1366.9	1370.3
5°	1370.3	1366.1	1364.6	1363.8	1366.9
7.5°	1364.6	1359.6	1358.1	1357.3	1360.8
10°	1354.3	1349.7	1347.8	1347.8	1350.9
12.5°	1342.1	1338.2	1336.3	1334.8	1338.2
15°	1326.4	1321.8	1320.7	1319.1	1322.9
17.5°	1307.7	1303.1	1301.5	1300.8	1303.5
20°	1286.3	1280.5	1279.8	1279.4	1280.9
22.5°	1259.9	1256.8	1255.3	1254.5	1255.7
25°	1230.4	1228.2	1226.6	1224.3	1227.4
27.5°	1201.8	1198.7	1194.9	1193.0	1194.9
30°	1166.6	1162.8	1160.1	1159.3	1160.1
32.5°	1130.3	1126.5	1123.0	1122.7	1122.3
35°	1088.2	1086.0	1081.8	1078.3	1082.9
37.5°	1046.6	1041.2	1037.4	1033.2	1032.1
40°	994.6	992.7	986.2	982.4	982.0
42.5°	944.1	935.4	930.8	928.1	923.9
45°	881.5	875.3	867.3	863.1	862.7
47.5°	816.1	808.4	800.8	795.1	796.6
50°	739.6	736.2	728.9	724.0	722.1
52.5°	660.9	660.1	652.5	649.4	646.0
55°	587.5	584.5	579.1	575.3	575.3
57.5°	515.3	512.6	509.9	502.7	502.7
60°	446.5	446.1	441.5	437.3	436.9
62.5°	384.9	387.2	383.0	378.8	376.5
65°	330.6	331.8	331.0	326.8	329.1
67.5°	282.9	283.2	281.7	279.4	280.9
70°	240.8	242.7	240.0	238.5	236.6
72.5°	204.1	203.4	201.1	202.2	199.5
75°	169.7	167.0	164.7	164.4	165.1
77.5°	135.3	134.6	132.6	132.6	131.5
80°	101.7	100.9	99.8	100.1	99.8
82.5°	72.2	70.3	68.8	69.6	70.0
85°	39.4	40.1	40.5	40.5	39.0
87.5°	16.1	15.7	16.1	16.8	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)