

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: P738668

Luminaire Tested: **24PT-80-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738668
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-80-PL1-L935
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

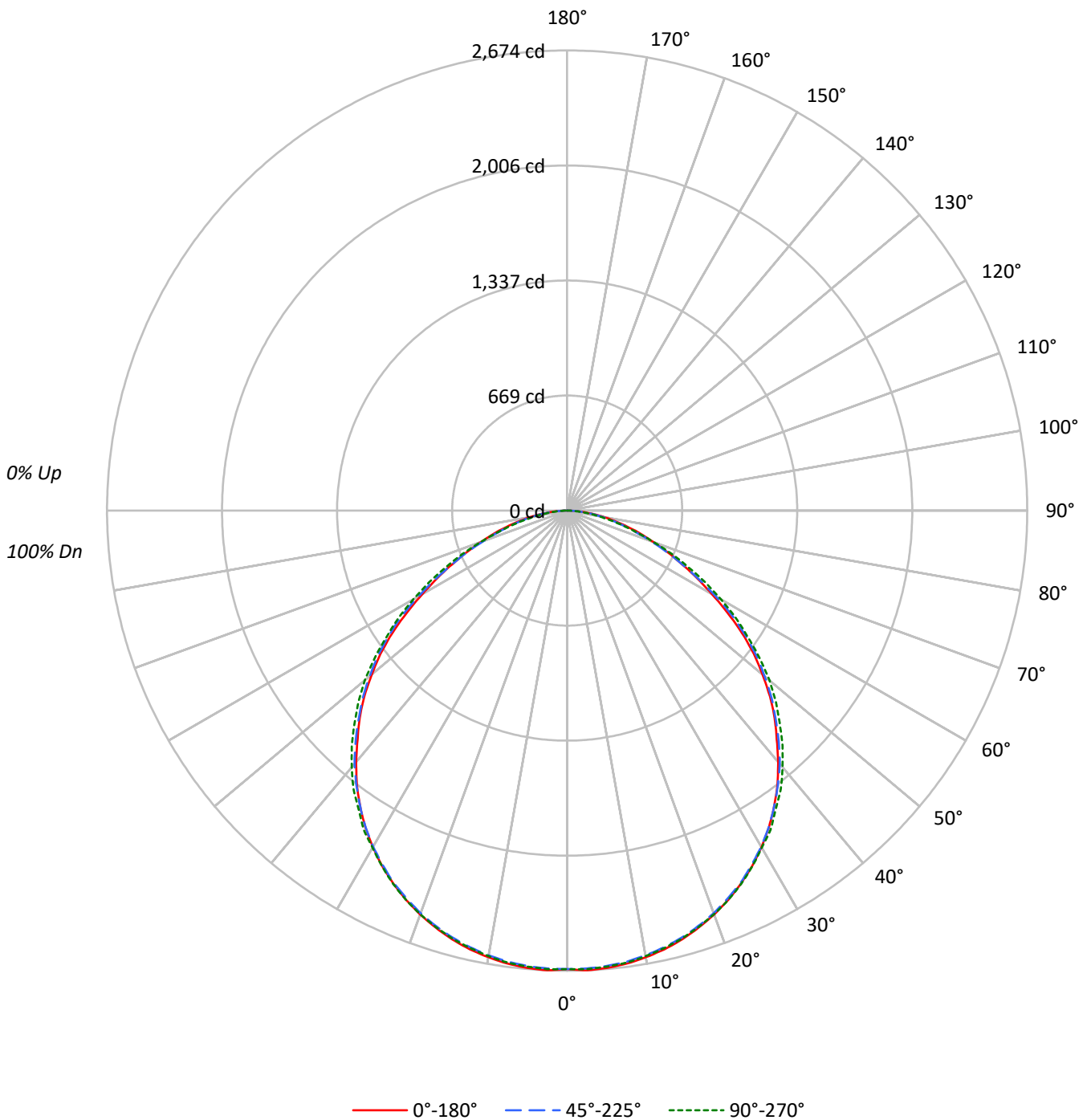
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7053.0 lumens
Efficiency: N/A
Efficacy: 103.3 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): 68.3
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	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°	3821	3821	3821
5°	3840	3823	3829
10°	3837	3822	3828
15°	3830	3814	3822
20°	3811	3799	3809
25°	3783	3775	3787
30°	3738	3733	3746
35°	3671	3672	3700
40°	3570	3597	3646
45°	3459	3474	3543
50°	3304	3342	3422
55°	3102	3159	3207
60°	2785	2853	2959
65°	2492	2497	2632
70°	2222	2161	2238
75°	2007	1888	1854
80°	1784	1663	1467
85°	1461	1385	1147



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	3.6
10°-20°	725.7	10.3
20°-30°	1099.5	15.6
30°-40°	1314.0	18.6
40°-50°	1325.5	18.8
50°-60°	1124.5	15.9
60°-70°	744.1	10.5
70°-80°	369.2	5.2
80°-90°	97.7	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°	2078.0	29.5
0°-40°	3392.0	48.1
0°-60°	5842.0	82.8
0°-90°	7053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2665	2665	2665	2665	2665	
5°	2668	2658	2656	2655	2660	254
15°	2580	2572	2570	2570	2575	728
25°	2391	2386	2386	2385	2394	1101
35°	2097	2094	2098	2109	2114	1310
45°	1706	1703	1713	1736	1747	1312
55°	1241	1244	1264	1275	1283	1103
65°	734	733	736	759	776	733
75°	362	352	341	330	335	388
85°	89	89	84	77	70	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2664.6	2664.6	2664.6	2664.6	2664.6
2.5°	2673.8	2665.4	2663.1	2661.5	2667.7
5°	2667.7	2658.5	2656.2	2654.6	2660.0
7.5°	2655.4	2645.4	2643.9	2642.4	2649.3
10°	2635.5	2626.3	2624.8	2623.2	2629.4
12.5°	2611.7	2602.6	2599.5	2600.3	2604.1
15°	2580.3	2571.9	2569.6	2569.6	2575.0
17.5°	2541.3	2533.6	2532.1	2531.3	2538.2
20°	2497.6	2490.0	2490.0	2492.3	2496.1
22.5°	2447.8	2442.5	2439.4	2440.9	2448.6
25°	2391.2	2385.8	2385.8	2385.0	2393.5
27.5°	2328.4	2321.5	2321.5	2327.6	2330.7
30°	2257.9	2251.8	2254.8	2259.4	2262.5
32.5°	2182.1	2178.2	2180.5	2187.4	2199.7
35°	2097.1	2094.0	2097.8	2109.3	2113.9
37.5°	2008.2	2005.9	2011.3	2026.6	2039.6
40°	1907.1	1907.1	1921.7	1935.4	1947.7
42.5°	1802.2	1809.1	1819.8	1841.2	1852.0
45°	1705.7	1703.4	1713.3	1736.3	1747.0
47.5°	1598.5	1596.2	1610.7	1626.8	1644.4
50°	1481.3	1480.5	1498.1	1511.9	1534.1
52.5°	1367.1	1374.0	1385.5	1397.8	1410.8
55°	1240.8	1243.8	1263.7	1275.2	1282.9
57.5°	1104.4	1114.4	1138.9	1155.8	1162.6
60°	971.2	977.3	994.9	1024.8	1031.7
62.5°	850.2	852.5	863.2	896.9	906.1
65°	734.5	733.0	736.0	759.0	775.9
67.5°	629.6	623.4	623.4	635.7	656.4
70°	530.0	520.8	515.5	519.3	533.8
72.5°	446.5	434.3	420.5	418.2	427.4
75°	362.3	352.3	340.8	330.1	334.7
77.5°	288.7	280.3	269.6	257.3	251.2
80°	216.0	212.9	201.4	189.9	177.7
82.5°	150.9	148.6	140.9	131.7	124.1
85°	88.8	88.8	84.2	77.4	69.7
87.5°	39.8	38.3	39.8	33.7	31.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)