

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: P738683

Luminaire Tested: **24PT-80-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PW1-L930
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

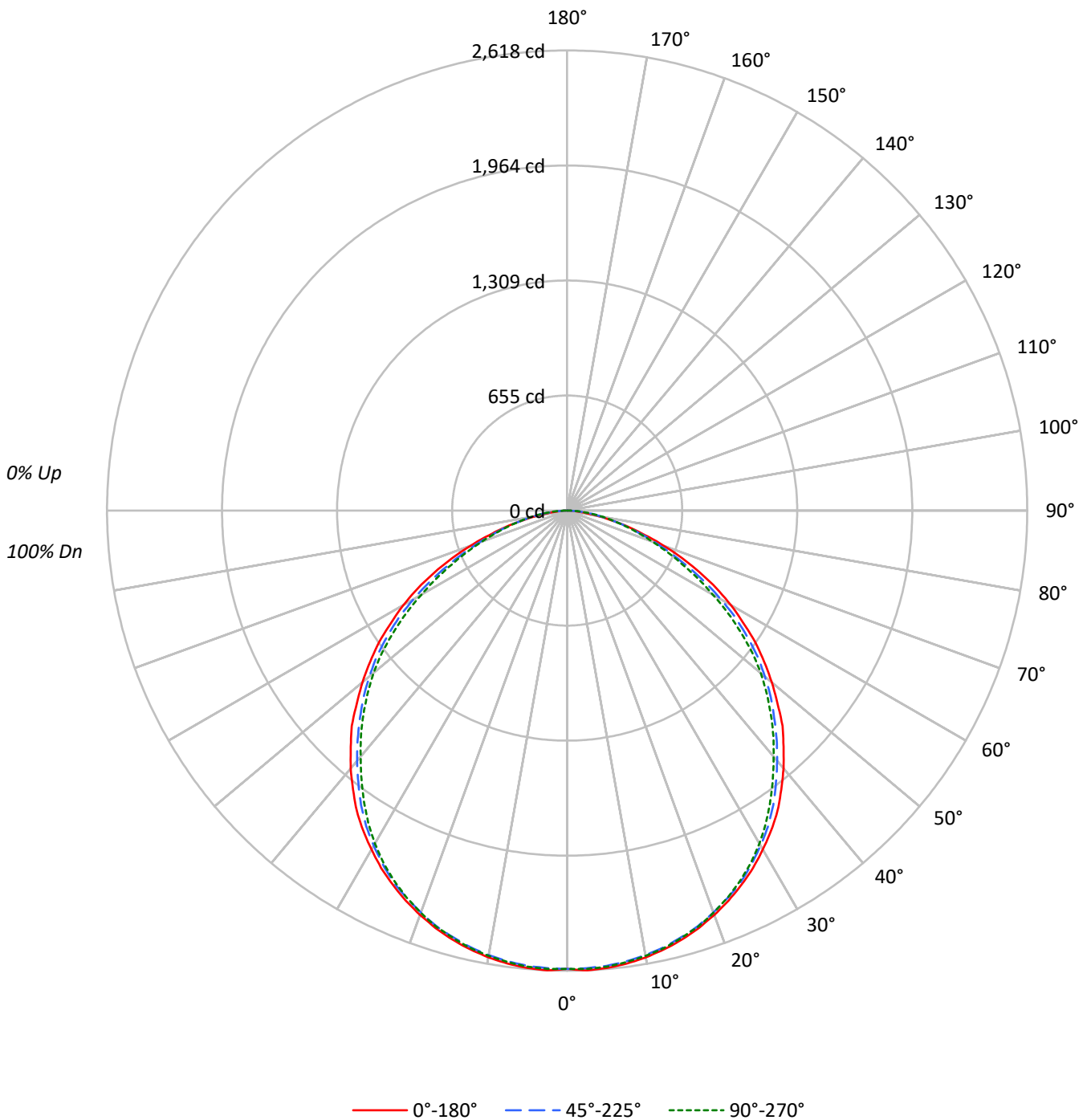
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6953.0 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3739	3739	3739
5°	3760	3741	3749
10°	3757	3740	3746
15°	3750	3730	3734
20°	3735	3713	3716
25°	3715	3694	3679
30°	3686	3643	3621
35°	3653	3579	3529
40°	3586	3480	3422
45°	3515	3378	3323
50°	3390	3276	3207
55°	3266	3127	3013
60°	3087	2897	2748
65°	2826	2581	2448
70°	2450	2237	2155
75°	2005	1930	1905
80°	1463	1650	1699
85°	981	1377	1464



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	3.6
10°-20°	710.0	10.2
20°-30°	1074.5	15.5
30°-40°	1278.6	18.4
40°-50°	1291.5	18.6
50°-60°	1117.5	16.1
60°-70°	763.4	11.0
70°-80°	376.2	5.4
80°-90°	94.0	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°	2031.8	29.2
0°-40°	3310.4	47.6
0°-60°	5719.4	82.3
0°-90°	6953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2608	2608	2608	2608	2608	
5°	2612	2602	2599	2597	2605	248
15°	2526	2518	2513	2511	2516	713
25°	2348	2339	2335	2326	2326	1082
35°	2087	2069	2044	2022	2016	1303
45°	1733	1704	1666	1647	1639	1331
55°	1306	1288	1251	1224	1205	1163
65°	833	801	761	736	722	823
75°	362	351	348	346	344	387
85°	60	74	84	87	89	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2607.6	2607.6	2607.6	2607.6	2607.6
2.5°	2618.2	2608.4	2605.4	2603.1	2609.9
5°	2612.2	2602.4	2599.4	2597.1	2604.6
7.5°	2599.4	2589.6	2586.5	2584.3	2590.3
10°	2580.5	2571.5	2568.4	2566.2	2573.0
12.5°	2556.4	2548.1	2544.3	2541.3	2548.8
15°	2526.2	2517.9	2512.7	2511.1	2515.7
17.5°	2490.0	2481.7	2478.0	2475.7	2481.0
20°	2447.8	2438.8	2433.5	2430.5	2435.0
22.5°	2401.1	2392.0	2385.3	2382.2	2383.7
25°	2348.3	2339.3	2334.7	2325.7	2325.7
27.5°	2291.8	2281.2	2269.9	2260.1	2260.9
30°	2226.2	2214.1	2200.6	2187.7	2187.0
32.5°	2159.8	2144.8	2128.2	2110.8	2105.6
35°	2086.7	2069.4	2044.5	2021.9	2015.9
37.5°	2000.8	1984.9	1951.8	1932.9	1923.1
40°	1915.6	1893.0	1859.0	1837.2	1828.1
42.5°	1822.1	1800.2	1764.1	1743.7	1736.2
45°	1733.2	1703.8	1666.1	1647.2	1638.9
47.5°	1622.3	1598.2	1571.8	1550.0	1539.4
50°	1519.8	1500.2	1468.5	1444.4	1437.6
52.5°	1412.8	1396.2	1366.0	1334.4	1326.8
55°	1306.5	1288.4	1250.7	1224.3	1205.4
57.5°	1186.6	1170.8	1135.3	1101.4	1084.8
60°	1076.5	1049.4	1010.2	973.2	958.2
62.5°	956.7	930.3	885.0	847.4	839.1
65°	833.0	801.4	760.7	735.8	721.5
67.5°	707.9	677.0	643.1	627.2	618.2
70°	584.3	559.4	533.7	522.4	514.1
72.5°	465.1	450.8	436.5	432.0	424.4
75°	361.9	351.3	348.3	346.0	343.8
77.5°	260.8	266.1	269.1	272.1	269.1
80°	177.2	188.5	199.8	205.8	205.8
82.5°	109.3	128.9	138.7	144.7	144.0
85°	59.6	73.9	83.7	86.7	89.0
87.5°	24.1	30.2	33.9	36.9	38.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)