

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: P738019

Luminaire Tested: **14PT-80-PR1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PR1-L930
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

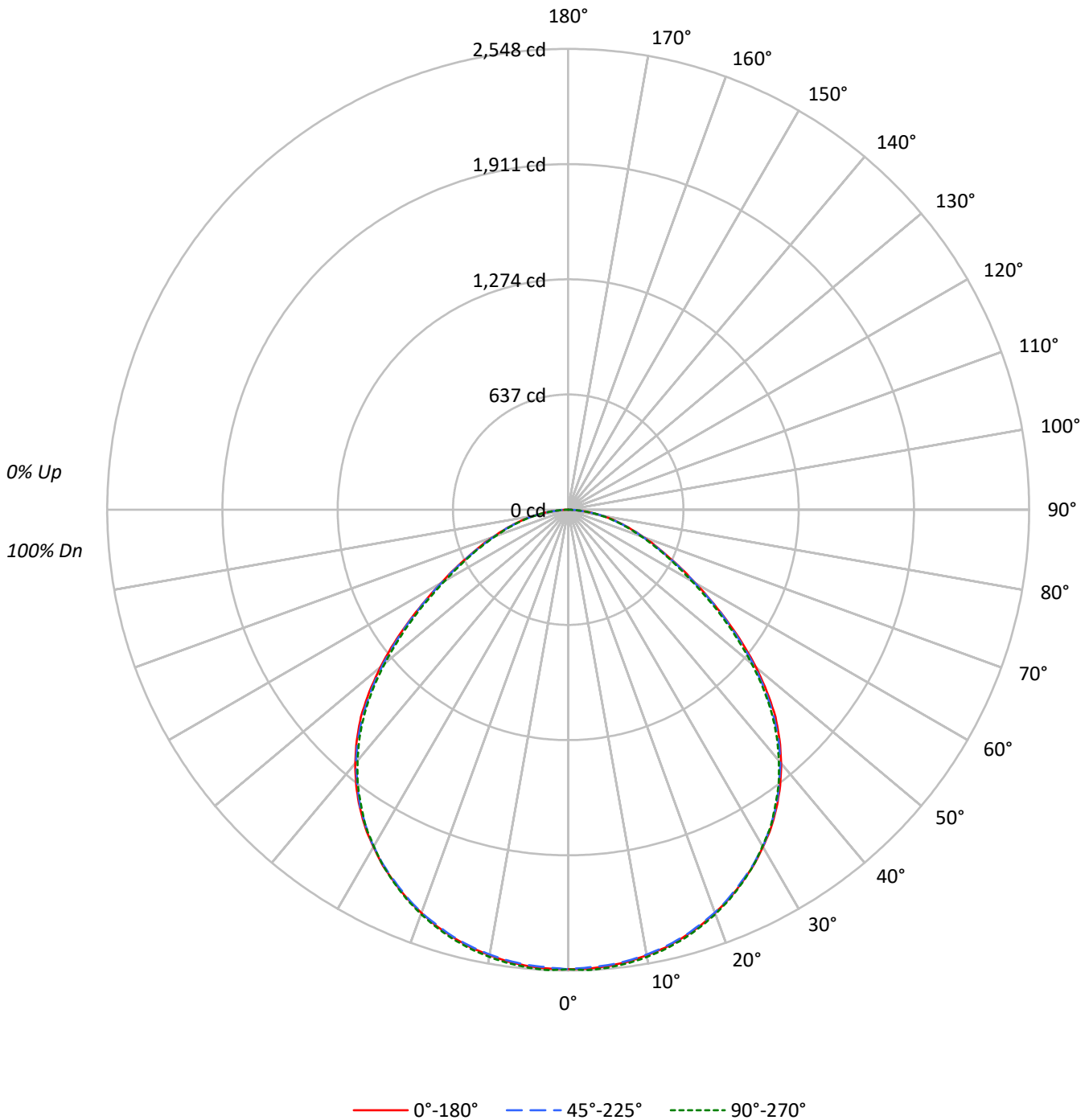
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7617	7617	7617
5°	7624	7607	7648
10°	7618	7604	7646
15°	7603	7591	7628
20°	7571	7562	7591
25°	7521	7504	7531
30°	7455	7446	7436
35°	7352	7335	7305
40°	7167	7138	7089
45°	6868	6791	6741
50°	6320	6248	6171
55°	5592	5569	5459
60°	4859	4843	4712
65°	4283	4257	4173
70°	3888	3832	3752
75°	3597	3512	3450
80°	3286	3239	3128
85°	2601	2570	2473



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	3.8
10°-20°	691.7	10.8
20°-30°	1047.9	16.3
30°-40°	1250.9	19.5
40°-50°	1230.2	19.1
50°-60°	950.8	14.8
60°-70°	599.6	9.3
70°-80°	324.3	5.0
80°-90°	88.6	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°	1980.6	30.8
0°-40°	3231.5	50.3
0°-60°	5412.6	84.2
0°-90°	6425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6425.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2540	2540	2540	2540	2540	
5°	2533	2534	2528	2539	2541	241
15°	2450	2450	2446	2454	2458	691
25°	2274	2276	2268	2276	2276	1048
35°	2009	2010	2004	2002	1996	1254
45°	1620	1614	1602	1589	1590	1240
55°	1070	1079	1065	1048	1044	960
65°	604	605	600	590	588	607
75°	310	307	303	305	298	330
85°	76	76	75	76	72	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2540.5	2540.5	2540.5	2540.5	2540.5
2.5°	2539.6	2540.5	2533.2	2545.1	2547.8
5°	2533.2	2534.2	2527.8	2538.7	2541.4
7.5°	2520.5	2522.3	2515.9	2526.9	2529.6
10°	2502.3	2504.1	2497.7	2508.7	2511.4
12.5°	2479.5	2480.4	2475.0	2485.0	2487.7
15°	2449.5	2450.4	2445.8	2454.0	2457.7
17.5°	2414.9	2415.8	2409.4	2419.4	2421.2
20°	2373.0	2373.9	2370.3	2378.4	2379.4
22.5°	2326.5	2328.4	2322.9	2330.2	2331.1
25°	2273.7	2275.6	2268.3	2275.6	2276.5
27.5°	2218.2	2219.1	2212.7	2218.2	2217.3
30°	2153.5	2159.0	2150.8	2149.0	2148.1
32.5°	2086.2	2087.1	2078.9	2077.0	2080.7
35°	2008.8	2009.7	2004.2	2001.5	1996.0
37.5°	1924.1	1924.1	1914.0	1912.2	1911.3
40°	1831.2	1830.3	1823.9	1817.5	1811.2
42.5°	1730.1	1731.9	1719.2	1708.3	1706.4
45°	1619.9	1613.6	1601.7	1589.0	1589.9
47.5°	1489.7	1491.5	1475.1	1465.1	1462.4
50°	1355.0	1355.0	1339.5	1328.5	1323.1
52.5°	1213.8	1214.7	1200.2	1185.6	1182.8
55°	1069.9	1079.0	1065.4	1048.1	1044.4
57.5°	935.2	942.5	929.7	911.5	910.6
60°	810.4	811.3	807.7	790.4	785.8
62.5°	703.9	699.3	697.5	688.4	682.9
65°	603.7	604.6	600.1	590.1	588.2
67.5°	522.7	521.8	513.6	507.2	503.6
70°	443.5	440.7	437.1	431.6	428.0
72.5°	372.4	372.4	369.7	367.9	361.5
75°	310.5	306.9	303.2	305.0	297.8
77.5°	251.3	247.7	244.9	241.3	239.5
80°	190.3	186.7	187.6	182.1	181.2
82.5°	132.0	132.0	130.2	125.7	126.6
85°	75.6	76.5	74.7	75.6	71.9
87.5°	27.3	28.2	30.0	28.2	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)