

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: P737975

Luminaire Tested: **14PT-70-PW1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PW1-L830
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

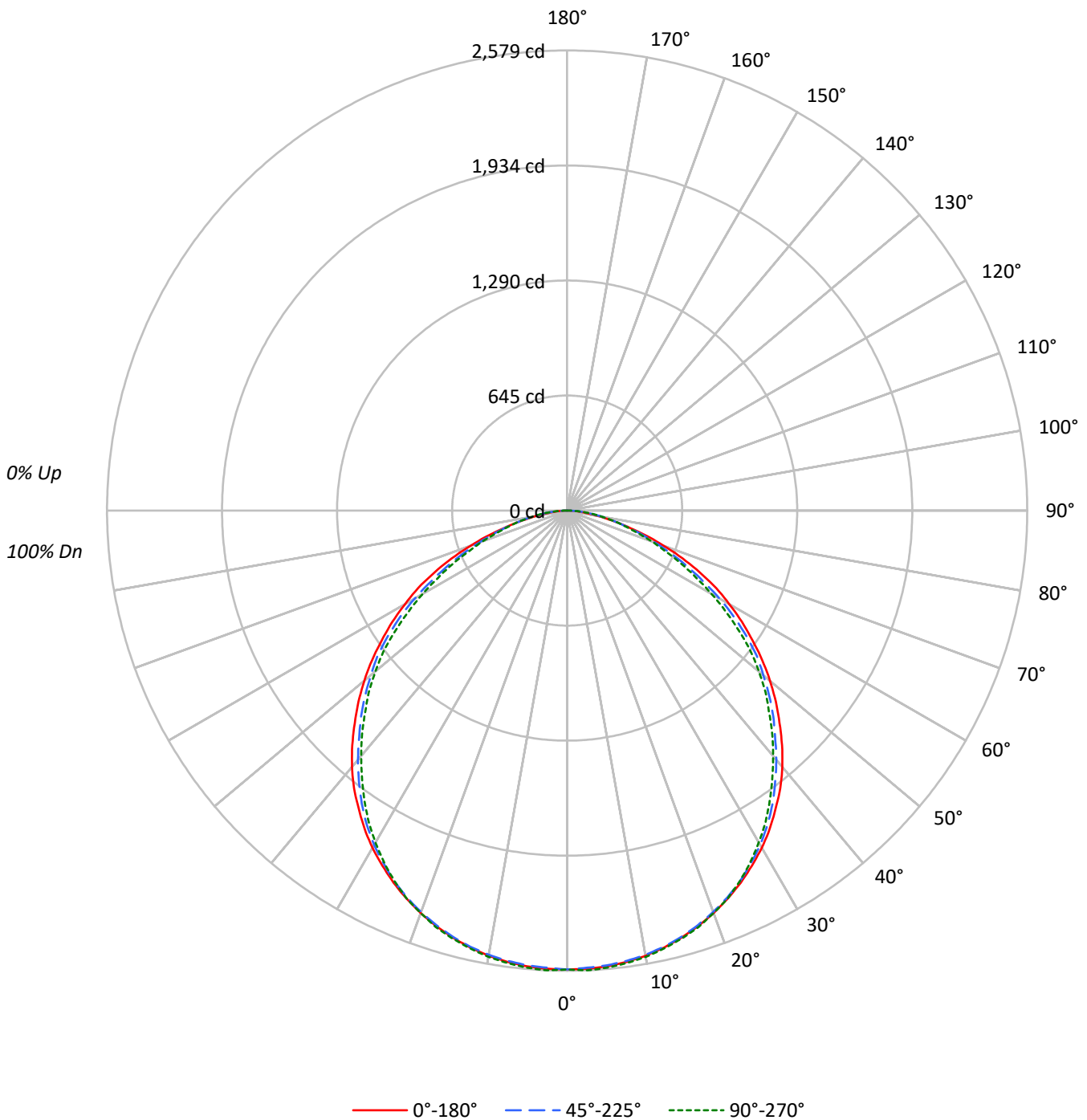
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6824.0 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 62.7
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	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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7710	7710	7710
5°	7716	7699	7739
10°	7712	7695	7733
15°	7689	7677	7707
20°	7657	7639	7657
25°	7615	7583	7577
30°	7557	7490	7438
35°	7455	7344	7250
40°	7342	7141	7029
45°	7138	6928	6786
50°	6923	6697	6542
55°	6634	6409	6155
60°	6290	5919	5610
65°	5819	5286	5022
70°	5045	4602	4427
75°	4029	3940	3830
80°	3059	3422	3422
85°	2260	2917	2917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	3.6
10°-20°	699.4	10.2
20°-30°	1057.1	15.5
30°-40°	1255.2	18.4
40°-50°	1264.6	18.5
50°-60°	1093.1	16.0
60°-70°	747.1	10.9
70°-80°	368.4	5.4
80°-90°	95.3	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°	2000.4	29.3
0°-40°	3255.6	47.7
0°-60°	5613.2	82.3
0°-90°	6824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6824.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2572	2572	2572	2572	2572	
5°	2564	2565	2558	2569	2572	244
15°	2477	2480	2473	2482	2483	699
25°	2302	2300	2292	2294	2290	1060
35°	2037	2030	2006	1988	1981	1275
45°	1684	1665	1634	1615	1601	1299
55°	1269	1265	1226	1190	1178	1135
65°	820	791	745	713	708	810
75°	348	345	340	340	331	379
85°	66	77	85	87	85	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2571.5	2571.5	2571.5	2571.5	2571.5
2.5°	2570.5	2571.5	2564.8	2576.3	2579.1
5°	2563.9	2564.8	2558.2	2568.6	2571.5
7.5°	2551.5	2553.4	2545.8	2556.3	2558.2
10°	2533.4	2534.3	2527.7	2538.2	2540.1
12.5°	2508.6	2509.6	2503.9	2513.4	2513.4
15°	2477.2	2480.0	2473.4	2481.9	2482.9
17.5°	2441.9	2442.9	2436.2	2445.7	2447.6
20°	2400.0	2400.0	2394.3	2401.9	2400.0
22.5°	2353.3	2353.3	2346.6	2350.5	2352.4
25°	2301.9	2300.0	2292.3	2294.2	2290.4
27.5°	2242.8	2242.8	2229.5	2229.5	2222.8
30°	2182.8	2178.0	2163.7	2155.1	2148.5
32.5°	2114.2	2107.5	2089.4	2074.2	2069.4
35°	2037.0	2030.3	2006.5	1988.4	1980.8
37.5°	1962.7	1947.4	1916.0	1897.9	1889.3
40°	1876.0	1856.9	1824.5	1799.8	1796.0
42.5°	1782.6	1767.4	1725.4	1707.3	1702.6
45°	1683.5	1665.4	1634.0	1614.9	1600.6
47.5°	1586.3	1573.0	1536.8	1513.9	1509.2
50°	1484.4	1473.0	1435.8	1411.0	1402.5
52.5°	1378.6	1371.0	1339.6	1308.1	1297.7
55°	1269.1	1265.3	1226.2	1190.0	1177.6
57.5°	1161.4	1156.7	1108.1	1066.1	1054.7
60°	1049.0	1034.7	987.1	948.0	935.6
62.5°	942.3	911.8	860.3	829.9	815.6
65°	820.3	790.8	745.1	712.7	707.9
67.5°	700.3	665.0	629.8	609.8	594.5
70°	575.5	551.6	525.0	507.8	505.0
72.5°	459.2	442.1	428.7	418.3	409.7
75°	347.8	344.9	340.1	340.1	330.6
77.5°	255.3	262.0	265.8	264.9	266.8
80°	177.2	190.6	198.2	199.1	198.2
82.5°	112.4	127.7	140.1	142.0	143.9
85°	65.7	77.2	84.8	86.7	84.8
87.5°	29.5	37.2	39.1	41.0	39.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)