

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: P737987

Luminaire Tested: **14PT-80-PB1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PB1-L930
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

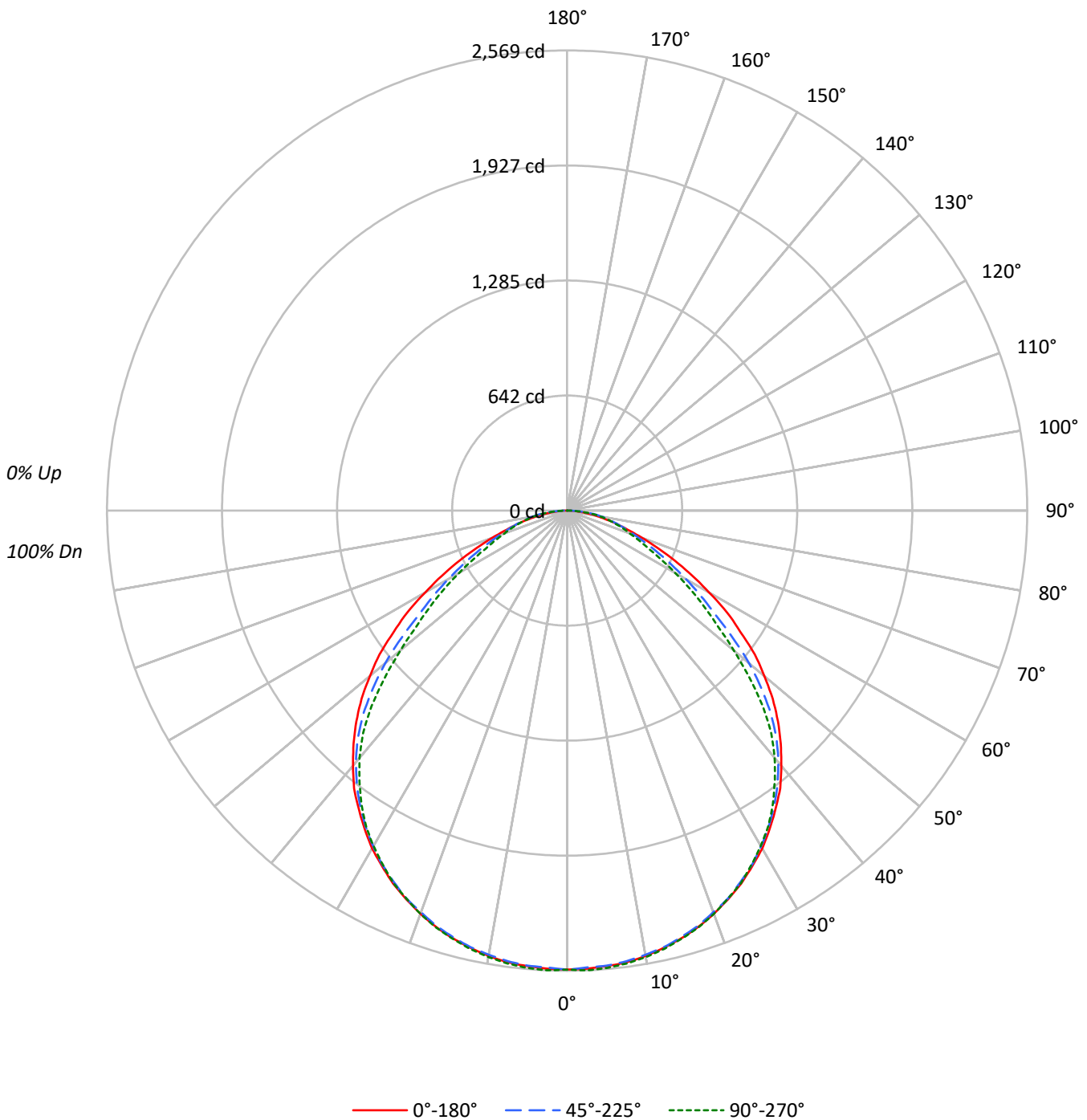
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6390.0 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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 (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	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7683	7683	7683
5°	7684	7674	7712
10°	7686	7667	7705
15°	7670	7651	7680
20°	7643	7613	7643
25°	7601	7570	7591
30°	7540	7497	7486
35°	7429	7372	7326
40°	7278	7180	7056
45°	7056	6829	6549
50°	6704	6189	5660
55°	6178	5256	4877
60°	5500	4593	4177
65°	4718	3980	3556
70°	3896	3509	3260
75°	3286	3359	3176
80°	2776	3429	3265
85°	2167	3471	3037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	3.8
10°-20°	697.2	10.9
20°-30°	1056.1	16.5
30°-40°	1258.5	19.7
40°-50°	1230.6	19.3
50°-60°	930.8	14.6
60°-70°	571.9	8.9
70°-80°	304.7	4.8
80°-90°	97.2	1.5
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°	1996.3	31.2
0°-40°	3254.8	50.9
0°-60°	5416.2	84.8
0°-90°	6390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6390.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2563	2563	2563	2563	2563	
5°	2553	2556	2550	2560	2563	243
15°	2471	2474	2465	2474	2474	697
25°	2298	2295	2288	2292	2295	1058
35°	2030	2027	2014	2005	2002	1270
45°	1664	1655	1611	1557	1544	1280
55°	1182	1122	1006	949	933	1058
65°	665	612	561	517	501	662
75°	284	287	290	280	274	304
85°	63	82	101	95	88	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2562.6	2562.6	2562.6	2562.6	2562.6
2.5°	2559.5	2562.6	2553.2	2565.8	2568.9
5°	2553.2	2556.3	2550.0	2559.5	2562.6
7.5°	2543.7	2543.7	2537.4	2546.9	2550.0
10°	2524.8	2524.8	2518.5	2528.0	2531.1
12.5°	2499.6	2499.6	2496.4	2502.8	2505.9
15°	2471.2	2474.4	2464.9	2474.4	2474.4
17.5°	2436.6	2433.4	2430.3	2436.6	2439.7
20°	2395.6	2395.6	2386.1	2392.4	2395.6
22.5°	2348.3	2348.3	2345.1	2348.3	2345.1
25°	2297.9	2294.7	2288.4	2291.6	2294.7
27.5°	2238.0	2238.0	2231.7	2231.7	2228.5
30°	2178.1	2174.9	2165.5	2159.2	2162.3
32.5°	2105.6	2102.4	2093.0	2086.7	2089.8
35°	2029.9	2026.8	2014.2	2004.7	2001.6
37.5°	1954.3	1944.8	1929.1	1916.5	1903.9
40°	1859.7	1850.3	1834.5	1806.1	1803.0
42.5°	1765.2	1755.7	1730.5	1695.8	1686.4
45°	1664.3	1654.8	1610.7	1557.1	1544.5
47.5°	1557.1	1541.4	1472.0	1405.8	1380.6
50°	1437.3	1409.0	1327.0	1241.9	1213.6
52.5°	1320.7	1270.3	1163.1	1087.5	1059.1
55°	1182.0	1122.1	1005.5	948.8	933.0
57.5°	1059.1	977.1	882.6	825.8	813.2
60°	917.3	841.6	766.0	715.5	696.6
62.5°	788.0	721.8	658.8	614.7	592.6
65°	665.1	611.5	561.1	516.9	501.2
67.5°	545.3	516.9	476.0	441.3	431.8
70°	444.4	428.7	400.3	384.6	371.9
72.5°	353.0	359.3	340.4	334.1	324.7
75°	283.7	286.8	290.0	280.5	274.2
77.5°	214.3	230.1	242.7	236.4	230.1
80°	160.8	176.5	198.6	189.1	189.1
82.5°	110.3	129.2	148.1	141.8	138.7
85°	63.0	82.0	100.9	94.6	88.3
87.5°	25.2	41.0	44.1	44.1	41.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)