

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: P738007

Luminaire Tested: **14PT-80-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PP3-L830
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

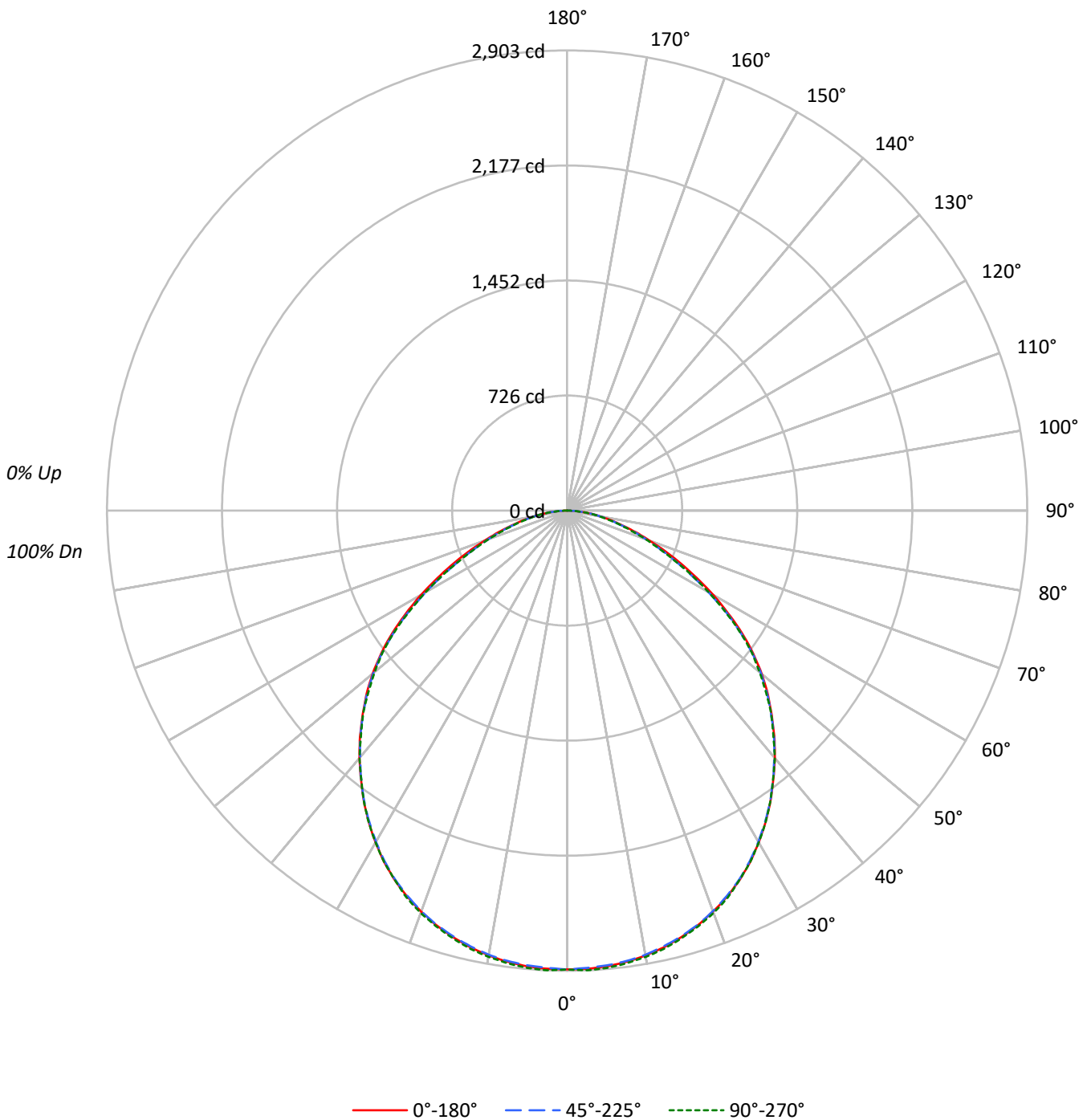
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7479.0 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 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

TEST NUMBER: P738007
CATALOG NUMBER: 14PT-80-PP3-L830

Luminous Intensity Polar Plot





TEST NUMBER: P738007

CATALOG NUMBER: 14PT-80-PP3-L830

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	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8678	8678	8678
5°	8686	8667	8714
10°	8674	8661	8703
15°	8645	8629	8668
20°	8588	8581	8618
25°	8512	8498	8508
30°	8369	8351	8369
35°	8187	8175	8183
40°	7977	7952	7973
45°	7738	7715	7724
50°	7478	7444	7390
55°	7040	6958	6936
60°	6388	6174	6186
65°	5612	5329	5322
70°	4854	4633	4577
75°	4199	4040	3956
80°	3719	3664	3501
85°	3072	3182	3000



TEST NUMBER: P738007

CATALOG NUMBER: 14PT-80-PP3-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.5	3.7
10°-20°	786.4	10.5
20°-30°	1184.0	15.8
30°-40°	1397.4	18.7
40°-50°	1405.4	18.8
50°-60°	1186.4	15.9
60°-70°	762.0	10.2
70°-80°	379.0	5.1
80°-90°	103.8	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°	2244.9	30.0
0°-40°	3642.3	48.7
0°-60°	6234.2	83.4
0°-90°	7479.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7479.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2894	2894	2894	2894	2894	
5°	2886	2887	2880	2894	2896	274
15°	2785	2786	2780	2793	2793	786
25°	2573	2574	2569	2574	2572	1184
35°	2237	2238	2234	2236	2236	1398
45°	1825	1831	1820	1822	1822	1408
55°	1347	1346	1331	1326	1327	1198
65°	791	780	751	744	750	789
75°	362	360	349	346	342	392
85°	89	92	92	87	87	105
90°	0	0	0	0	0	



TEST NUMBER: P738007

CATALOG NUMBER: 14PT-80-PP3-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2894.5	2894.5	2894.5	2894.5	2894.5
2.5°	2893.5	2894.5	2887.2	2900.8	2902.9
5°	2886.1	2887.2	2879.8	2893.5	2895.6
7.5°	2871.4	2872.5	2866.2	2878.8	2880.9
10°	2849.4	2852.5	2845.1	2856.7	2858.8
12.5°	2822.0	2823.1	2815.7	2829.4	2831.5
15°	2785.3	2786.3	2780.0	2792.6	2792.6
17.5°	2743.2	2744.3	2740.1	2750.6	2749.5
20°	2691.8	2694.9	2689.7	2697.0	2701.2
22.5°	2636.1	2637.1	2630.8	2640.3	2644.5
25°	2573.0	2574.1	2568.8	2574.1	2572.0
27.5°	2499.5	2501.6	2494.2	2499.5	2500.5
30°	2417.5	2422.8	2412.3	2416.5	2417.5
32.5°	2329.3	2332.4	2325.1	2326.1	2331.4
35°	2236.8	2237.9	2233.7	2235.8	2235.8
37.5°	2137.0	2141.2	2134.9	2138.1	2133.9
40°	2038.3	2034.1	2031.9	2034.1	2037.2
42.5°	1934.2	1935.3	1932.1	1930.0	1924.8
45°	1825.0	1831.3	1819.7	1821.8	1821.8
47.5°	1717.8	1718.9	1712.6	1706.2	1702.0
50°	1603.3	1603.3	1595.9	1590.7	1584.4
52.5°	1478.3	1476.2	1467.8	1462.5	1465.7
55°	1346.9	1345.9	1331.2	1325.9	1327.0
57.5°	1203.0	1205.1	1183.0	1177.8	1177.8
60°	1065.4	1054.8	1029.6	1022.3	1031.7
62.5°	921.4	908.8	881.5	881.5	888.8
65°	791.1	779.6	751.2	743.9	750.2
67.5°	669.3	658.8	632.5	628.3	630.4
70°	553.7	544.2	528.5	519.0	522.2
72.5°	453.9	445.5	435.0	427.6	423.4
75°	362.5	360.4	348.8	345.7	341.5
77.5°	286.8	285.8	276.3	272.1	267.9
80°	215.4	214.3	212.2	205.9	202.8
82.5°	153.4	153.4	152.3	147.1	143.9
85°	89.3	92.5	92.5	87.2	87.2
87.5°	35.7	37.8	35.7	35.7	34.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)