

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: P737992

Luminaire Tested: **14PT-80-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PC3-L835
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

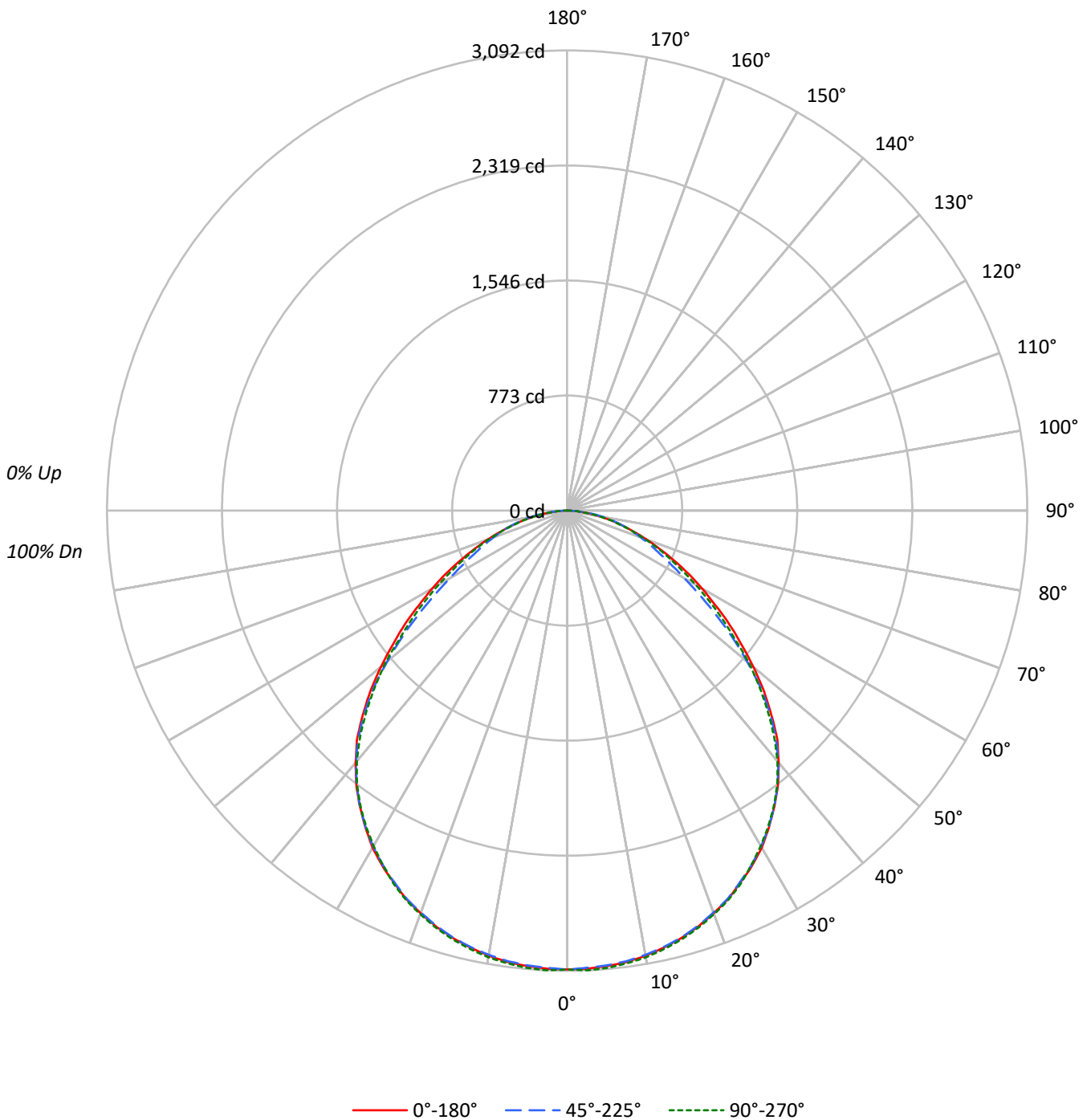
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7773.0 lumens
Efficiency: N/A
Efficacy: 109.5 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	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9244	9244	9244
5°	9246	9230	9283
10°	9246	9229	9279
15°	9224	9214	9255
20°	9183	9169	9207
25°	9120	9105	9142
30°	9052	9021	9006
35°	8888	8879	8863
40°	8653	8640	8602
45°	8229	8168	8084
50°	7618	7361	7443
55°	6951	6387	6675
60°	6268	5449	5978
65°	5601	4874	5374
70°	4968	4611	4833
75°	4395	4471	4304
80°	3790	4265	3769
85°	2845	3375	2845



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.4	3.8
10°-20°	839.4	10.8
20°-30°	1270.8	16.3
30°-40°	1515.1	19.5
40°-50°	1480.5	19.0
50°-60°	1132.0	14.6
60°-70°	726.8	9.3
70°-80°	404.3	5.2
80°-90°	111.7	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°	2402.6	30.9
0°-40°	3917.8	50.4
0°-60°	6530.2	84.0
0°-90°	7773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7773.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3083	3083	3083	3083	3083	
5°	3072	3074	3067	3081	3084	292
15°	2972	2974	2969	2979	2982	839
25°	2757	2760	2752	2761	2764	1272
35°	2428	2430	2426	2425	2422	1517
45°	1941	1945	1926	1922	1907	1493
55°	1330	1284	1222	1237	1277	1189
65°	790	729	687	710	758	788
75°	379	383	386	380	372	405
85°	83	97	98	95	83	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3083.3	3083.3	3083.3	3083.3	3083.3
2.5°	3081.1	3082.2	3074.5	3087.7	3092.1
5°	3072.3	3074.5	3066.8	3081.1	3084.4
7.5°	3059.1	3061.3	3053.6	3067.9	3069.0
10°	3037.0	3038.1	3031.5	3045.8	3048.0
12.5°	3007.2	3010.5	3002.8	3016.1	3017.2
15°	2971.9	2974.2	2968.6	2978.6	2981.9
17.5°	2930.0	2931.1	2925.6	2936.7	2937.8
20°	2878.2	2878.2	2873.8	2885.9	2885.9
22.5°	2825.3	2822.0	2820.9	2825.3	2831.9
25°	2756.9	2760.2	2752.5	2761.3	2763.5
27.5°	2690.7	2690.7	2684.1	2688.5	2683.0
30°	2614.7	2610.2	2605.8	2606.9	2601.4
32.5°	2523.1	2523.1	2520.9	2520.9	2514.3
35°	2428.3	2430.5	2426.1	2425.0	2421.7
37.5°	2326.8	2330.1	2322.4	2320.2	2318.0
40°	2211.0	2211.0	2207.7	2203.3	2197.8
42.5°	2090.8	2090.8	2076.5	2065.5	2057.8
45°	1940.9	1945.3	1926.5	1922.1	1906.7
47.5°	1792.0	1788.7	1763.3	1760.0	1751.2
50°	1633.2	1614.4	1578.1	1588.0	1595.7
52.5°	1474.4	1451.2	1398.3	1409.3	1422.6
55°	1329.9	1283.6	1221.9	1237.3	1277.0
57.5°	1178.9	1117.1	1055.3	1084.0	1133.6
60°	1045.4	975.9	908.7	939.6	996.9
62.5°	917.5	843.6	789.6	819.4	867.9
65°	789.6	728.9	687.0	710.2	757.6
67.5°	672.7	631.9	603.2	614.2	652.8
70°	566.8	541.5	526.0	529.3	551.4
72.5°	466.5	459.9	454.3	454.3	456.5
75°	379.4	382.7	386.0	380.5	371.6
77.5°	298.8	309.9	317.6	306.6	295.5
80°	219.5	237.1	247.0	234.9	218.3
82.5°	150.0	169.8	173.1	165.4	146.7
85°	82.7	97.0	98.1	94.8	82.7
87.5°	30.9	36.4	39.7	36.4	32.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)