

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: P738012

Luminaire Tested: **14PT-80-PP3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738012
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-L935
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

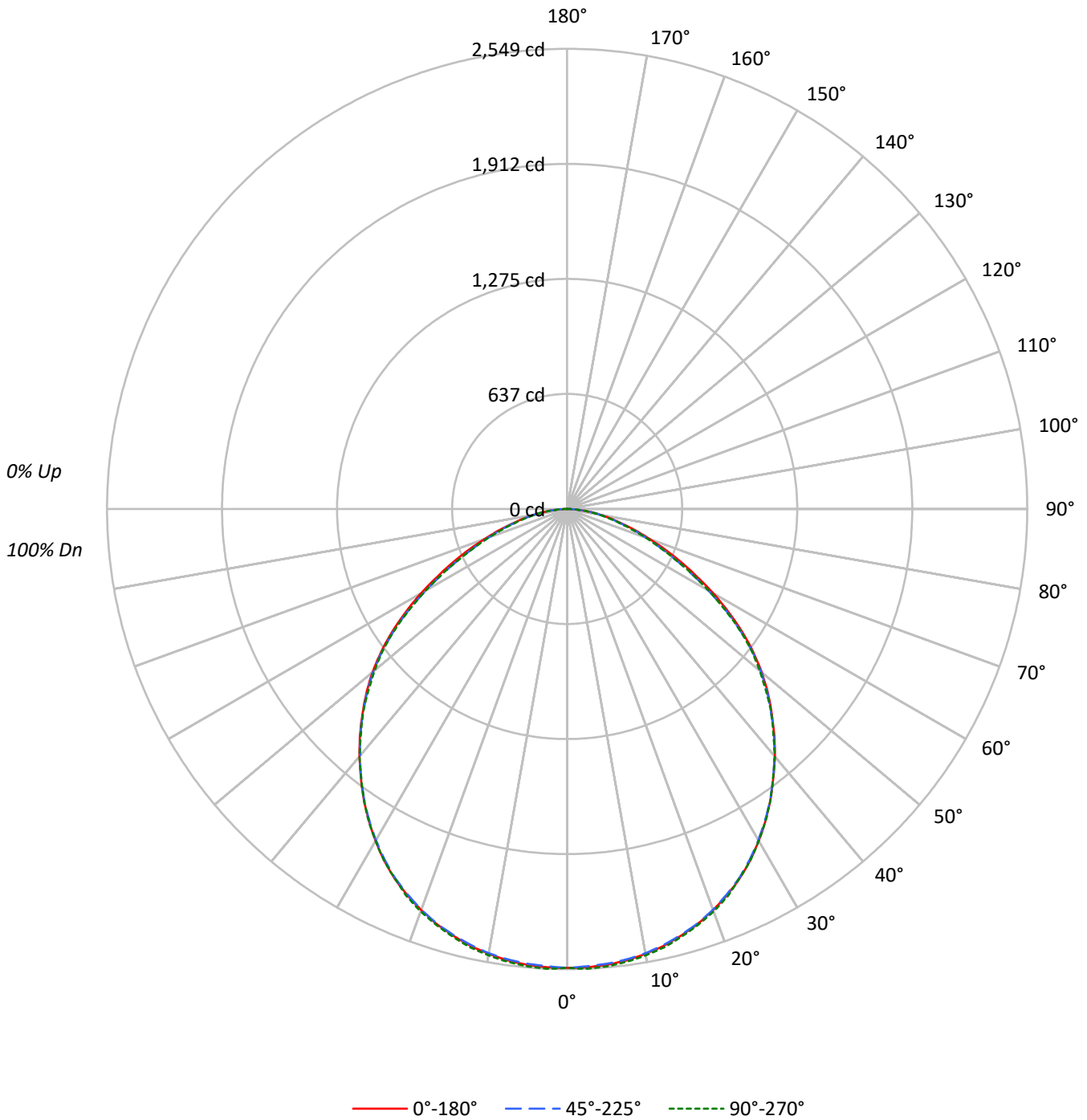
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6568.0 lumens
Efficiency: N/A
Efficacy: 92.5 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

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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	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°	7621	7621	7621
5°	7628	7611	7653
10°	7618	7607	7643
15°	7592	7578	7612
20°	7542	7536	7568
25°	7475	7463	7472
30°	7350	7334	7350
35°	7190	7179	7186
40°	7006	6984	7002
45°	6795	6776	6783
50°	6567	6537	6490
55°	6183	6110	6091
60°	5610	5422	5433
65°	4929	4680	4674
70°	4262	4068	4020
75°	3687	3548	3474
80°	3265	3218	3075
85°	2697	2793	2635



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.1	3.7
10°-20°	690.6	10.5
20°-30°	1039.8	15.8
30°-40°	1227.2	18.7
40°-50°	1234.2	18.8
50°-60°	1041.9	15.9
60°-70°	669.2	10.2
70°-80°	332.8	5.1
80°-90°	91.2	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°	1971.5	30.0
0°-40°	3198.7	48.7
0°-60°	5474.8	83.4
0°-90°	6568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6568.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2542	2542	2542	2542	2542	
5°	2535	2536	2529	2541	2543	241
15°	2446	2447	2441	2452	2452	690
25°	2260	2260	2256	2260	2259	1040
35°	1964	1965	1962	1963	1963	1228
45°	1603	1608	1598	1600	1600	1237
55°	1183	1182	1169	1164	1165	1052
65°	695	685	660	653	659	693
75°	318	316	306	304	300	344
85°	78	81	81	77	77	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2542.0	2542.0	2542.0	2542.0	2542.0
2.5°	2541.0	2542.0	2535.5	2547.5	2549.3
5°	2534.6	2535.5	2529.0	2541.0	2542.9
7.5°	2521.7	2522.6	2517.0	2528.1	2530.0
10°	2502.3	2505.0	2498.6	2508.7	2510.6
12.5°	2478.3	2479.2	2472.8	2484.7	2486.6
15°	2446.0	2446.9	2441.4	2452.5	2452.5
17.5°	2409.1	2410.0	2406.3	2415.5	2414.6
20°	2363.9	2366.6	2362.0	2368.5	2372.2
22.5°	2315.0	2315.9	2310.4	2318.7	2322.4
25°	2259.6	2260.5	2255.9	2260.5	2258.7
27.5°	2195.0	2196.9	2190.4	2195.0	2196.0
30°	2123.1	2127.7	2118.4	2122.1	2123.1
32.5°	2045.6	2048.3	2041.9	2042.8	2047.4
35°	1964.4	1965.3	1961.6	1963.4	1963.4
37.5°	1876.7	1880.4	1874.9	1877.6	1873.9
40°	1790.0	1786.3	1784.4	1786.3	1789.1
42.5°	1698.6	1699.6	1696.8	1694.9	1690.3
45°	1602.7	1608.2	1598.1	1599.9	1599.9
47.5°	1508.6	1509.5	1504.0	1498.4	1494.7
50°	1408.0	1408.0	1401.5	1396.9	1391.4
52.5°	1298.2	1296.4	1289.0	1284.4	1287.1
55°	1182.9	1181.9	1169.0	1164.4	1165.3
57.5°	1056.5	1058.3	1038.9	1034.3	1034.3
60°	935.6	926.4	904.2	897.8	906.1
62.5°	809.2	798.1	774.1	774.1	780.6
65°	694.8	684.6	659.7	653.2	658.8
67.5°	587.7	578.5	555.4	551.8	553.6
70°	486.2	477.9	464.1	455.8	458.6
72.5°	398.6	391.2	382.0	375.5	371.8
75°	318.3	316.5	306.3	303.6	299.9
77.5°	251.9	251.0	242.7	239.0	235.3
80°	189.1	188.2	186.4	180.8	178.1
82.5°	134.7	134.7	133.8	129.2	126.4
85°	78.4	81.2	81.2	76.6	76.6
87.5°	31.4	33.2	31.4	31.4	30.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)