

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: P738008

Luminaire Tested: **14PT-80-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738008
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-L835
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

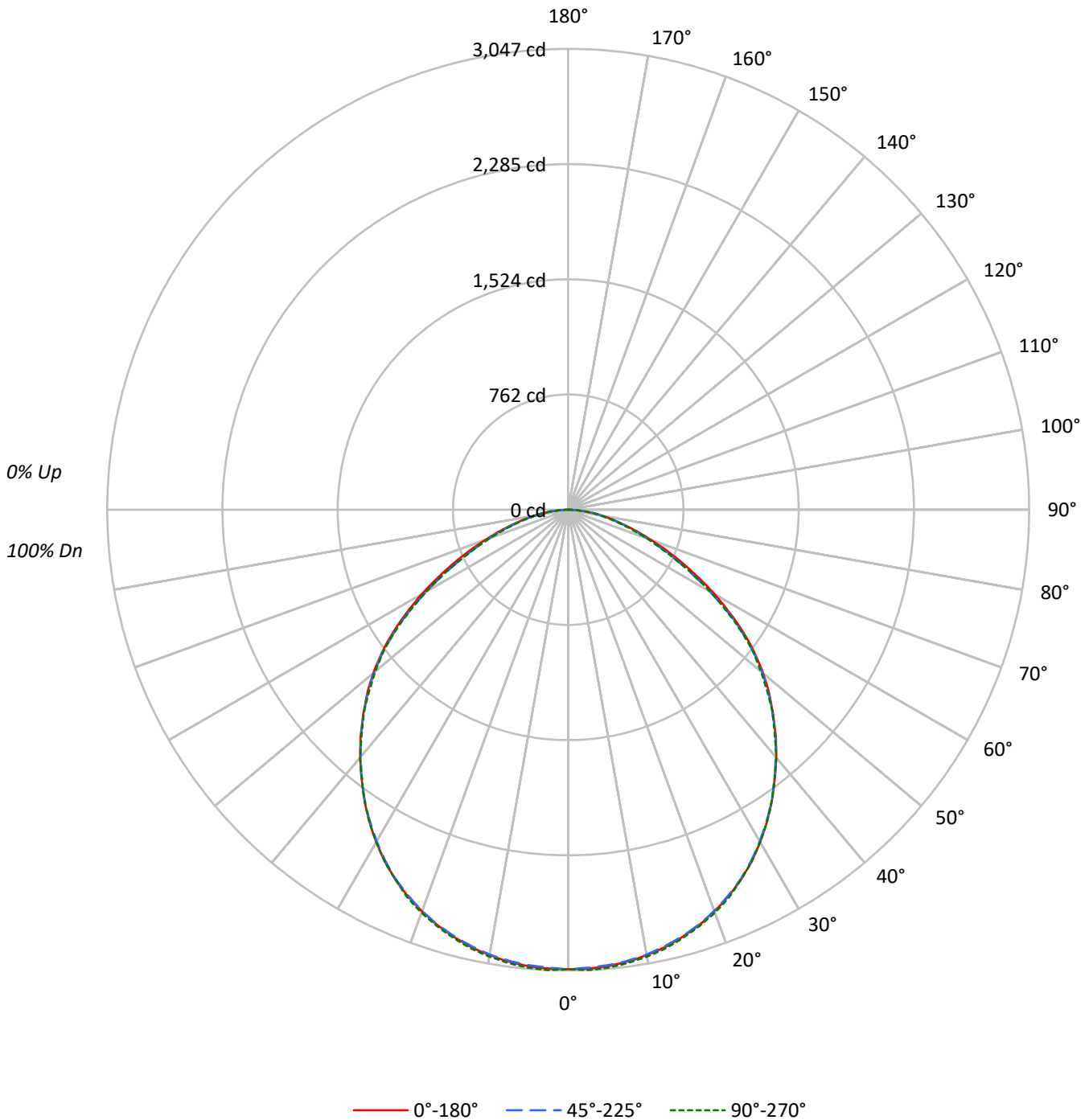
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7850.0 lumens
Efficiency: N/A
Efficacy: 110.6 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°	9108	9108	9108
5°	9117	9097	9147
10°	9105	9091	9135
15°	9074	9057	9098
20°	9014	9007	9046
25°	8934	8919	8930
30°	8785	8765	8785
35°	8593	8581	8589
40°	8373	8347	8369
45°	8122	8098	8108
50°	7849	7813	7757
55°	7389	7303	7280
60°	6705	6480	6493
65°	5891	5594	5586
70°	5095	4862	4805
75°	4408	4241	4152
80°	3904	3847	3674
85°	3223	3337	3148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	3.7
10°-20°	825.4	10.5
20°-30°	1242.7	15.8
30°-40°	1466.7	18.7
40°-50°	1475.1	18.8
50°-60°	1245.3	15.9
60°-70°	799.8	10.2
70°-80°	397.8	5.1
80°-90°	109.0	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°	2356.3	30.0
0°-40°	3823.0	48.7
0°-60°	6543.4	83.4
0°-90°	7850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3038	3038	3038	3038	3038	
5°	3029	3030	3023	3037	3039	288
15°	2923	2924	2918	2931	2931	825
25°	2701	2702	2696	2702	2700	1243
35°	2348	2349	2344	2347	2347	1467
45°	1916	1922	1910	1912	1912	1478
55°	1414	1413	1397	1392	1393	1258
65°	830	818	788	781	787	828
75°	380	378	366	363	358	412
85°	94	97	97	92	92	110
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3038.1	3038.1	3038.1	3038.1	3038.1
2.5°	3037.0	3038.1	3030.4	3044.7	3046.9
5°	3029.3	3030.4	3022.7	3037.0	3039.2
7.5°	3013.9	3015.0	3008.3	3021.6	3023.8
10°	2990.7	2994.0	2986.3	2998.4	3000.6
12.5°	2962.0	2963.1	2955.4	2969.7	2971.9
15°	2923.4	2924.5	2917.9	2931.1	2931.1
17.5°	2879.3	2880.4	2876.0	2887.0	2885.9
20°	2825.3	2828.6	2823.1	2830.8	2835.2
22.5°	2766.8	2767.9	2761.3	2771.2	2775.7
25°	2700.7	2701.8	2696.3	2701.8	2699.6
27.5°	2623.5	2625.7	2618.0	2623.5	2624.6
30°	2537.5	2543.0	2531.9	2536.4	2537.5
32.5°	2444.8	2448.1	2440.4	2441.5	2447.0
35°	2347.8	2348.9	2344.5	2346.7	2346.7
37.5°	2243.0	2247.4	2240.8	2244.1	2239.7
40°	2139.4	2135.0	2132.7	2135.0	2138.3
42.5°	2030.2	2031.3	2028.0	2025.8	2020.3
45°	1915.5	1922.1	1910.0	1912.2	1912.2
47.5°	1803.0	1804.1	1797.5	1790.9	1786.5
50°	1682.8	1682.8	1675.1	1669.6	1663.0
52.5°	1551.6	1549.4	1540.6	1535.0	1538.4
55°	1413.7	1412.6	1397.2	1391.7	1392.8
57.5°	1262.7	1264.9	1241.7	1236.2	1236.2
60°	1118.2	1107.2	1080.7	1073.0	1082.9
62.5°	967.1	953.9	925.2	925.2	932.9
65°	830.4	818.3	788.5	780.8	787.4
67.5°	702.5	691.4	663.9	659.5	661.7
70°	581.2	571.2	554.7	544.8	548.1
72.5°	476.4	467.6	456.5	448.8	444.4
75°	380.5	378.2	366.1	362.8	358.4
77.5°	301.1	300.0	290.0	285.6	281.2
80°	226.1	225.0	222.8	216.1	212.8
82.5°	161.0	161.0	159.9	154.4	151.1
85°	93.7	97.0	97.0	91.5	91.5
87.5°	37.5	39.7	37.5	37.5	36.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)