

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: P737993

Luminaire Tested: **14PT-80-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737993
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-L840
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

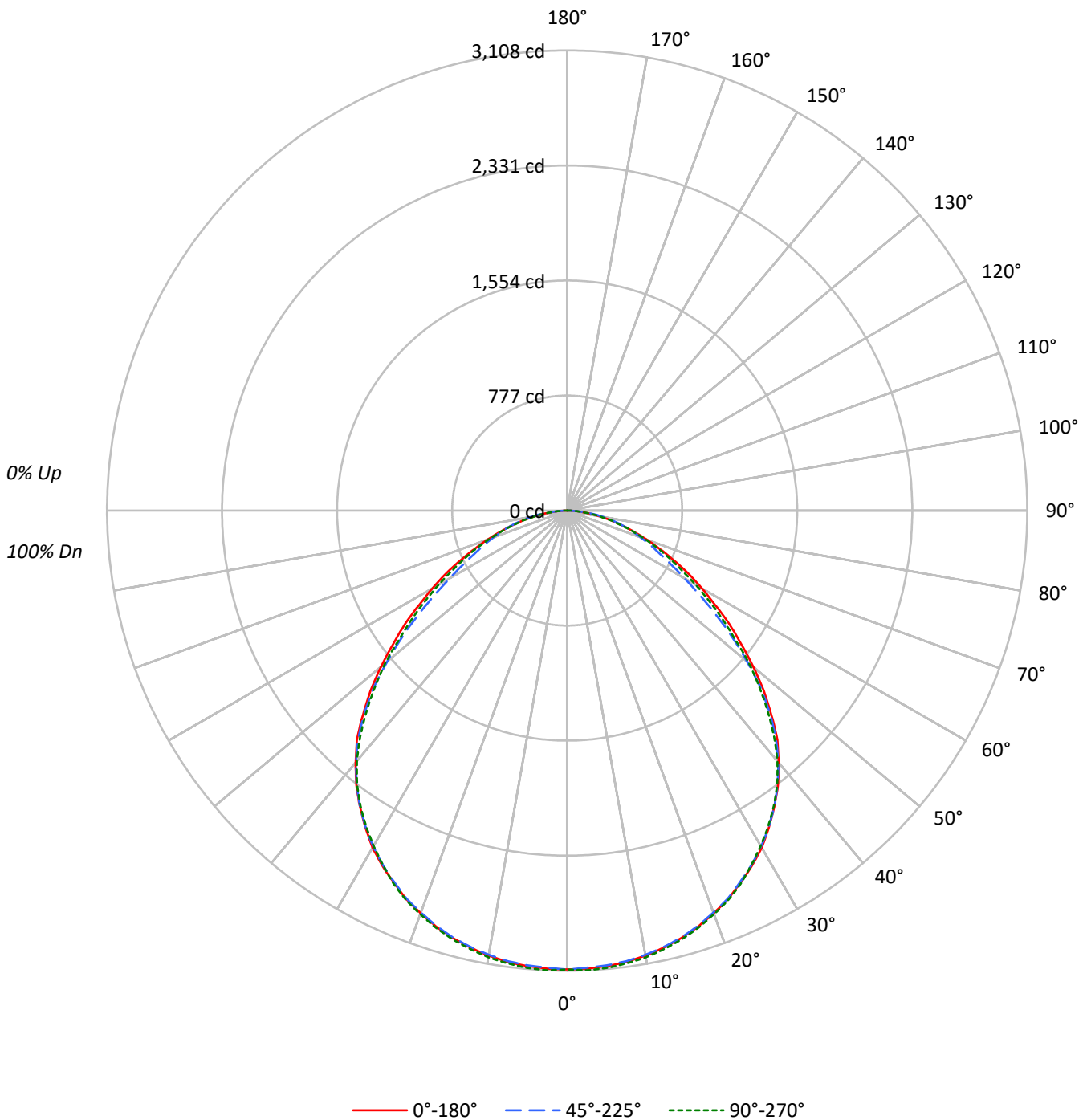
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7813.0 lumens
Efficiency: N/A
Efficacy: 110.0 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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9292	9292	9292
5°	9294	9277	9330
10°	9293	9276	9327
15°	9272	9262	9303
20°	9230	9216	9255
25°	9167	9152	9189
30°	9098	9067	9052
35°	8933	8925	8909
40°	8698	8685	8646
45°	8272	8210	8126
50°	7657	7398	7481
55°	6987	6420	6709
60°	6301	5477	6008
65°	5630	4899	5402
70°	4994	4634	4858
75°	4417	4494	4326
80°	3809	4287	3790
85°	2859	3395	2859



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.9	3.8
10°-20°	843.7	10.8
20°-30°	1277.4	16.3
30°-40°	1522.9	19.5
40°-50°	1488.1	19.0
50°-60°	1137.8	14.6
60°-70°	730.5	9.3
70°-80°	406.4	5.2
80°-90°	112.2	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°	2415.0	30.9
0°-40°	3937.9	50.4
0°-60°	6563.9	84.0
0°-90°	7813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7813.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3099	3099	3099	3099	3099	
5°	3088	3090	3083	3097	3100	294
15°	2987	2990	2984	2994	2997	843
25°	2771	2774	2767	2776	2778	1278
35°	2441	2443	2439	2438	2434	1525
45°	1951	1955	1936	1932	1916	1501
55°	1337	1290	1228	1244	1284	1195
65°	794	733	691	714	762	792
75°	381	385	388	382	374	407
85°	83	98	99	95	83	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3099.2	3099.2	3099.2	3099.2	3099.2
2.5°	3097.0	3098.1	3090.3	3103.6	3108.1
5°	3088.1	3090.3	3082.6	3097.0	3100.3
7.5°	3074.8	3077.0	3069.3	3083.7	3084.8
10°	3052.6	3053.7	3047.1	3061.5	3063.7
12.5°	3022.7	3026.0	3018.3	3031.6	3032.7
15°	2987.2	2989.5	2983.9	2993.9	2997.2
17.5°	2945.1	2946.2	2940.7	2951.8	2952.9
20°	2893.0	2893.0	2888.6	2900.8	2900.8
22.5°	2839.8	2836.5	2835.4	2839.8	2846.5
25°	2771.1	2774.4	2766.7	2775.5	2777.7
27.5°	2704.6	2704.6	2697.9	2702.4	2696.8
30°	2628.1	2623.7	2619.2	2620.3	2614.8
32.5°	2536.1	2536.1	2533.9	2533.9	2527.2
35°	2440.8	2443.0	2438.6	2437.5	2434.1
37.5°	2338.8	2342.1	2334.4	2332.2	2329.9
40°	2222.4	2222.4	2219.1	2214.7	2209.1
42.5°	2101.6	2101.6	2087.2	2076.1	2068.3
45°	1950.9	1955.3	1936.4	1932.0	1916.5
47.5°	1801.2	1797.9	1772.4	1769.1	1760.2
50°	1641.6	1622.8	1586.2	1596.2	1603.9
52.5°	1482.0	1458.7	1405.5	1416.6	1429.9
55°	1336.8	1290.2	1228.2	1243.7	1283.6
57.5°	1184.9	1122.8	1060.8	1089.6	1139.5
60°	1050.8	981.0	913.4	944.4	1002.0
62.5°	922.2	848.0	793.6	823.6	872.3
65°	793.6	732.7	690.6	713.8	761.5
67.5°	676.1	635.1	606.3	617.4	656.2
70°	569.7	544.2	528.7	532.1	554.2
72.5°	468.9	462.2	456.7	456.7	458.9
75°	381.3	384.6	388.0	382.4	373.5
77.5°	300.4	311.5	319.2	308.1	297.1
80°	220.6	238.3	248.3	236.1	219.5
82.5°	150.7	170.7	174.0	166.3	147.4
85°	83.1	97.5	98.7	95.3	83.1
87.5°	31.0	36.6	39.9	36.6	32.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)