

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: P737985

Luminaire Tested: **14PT-80-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PB1-L840
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

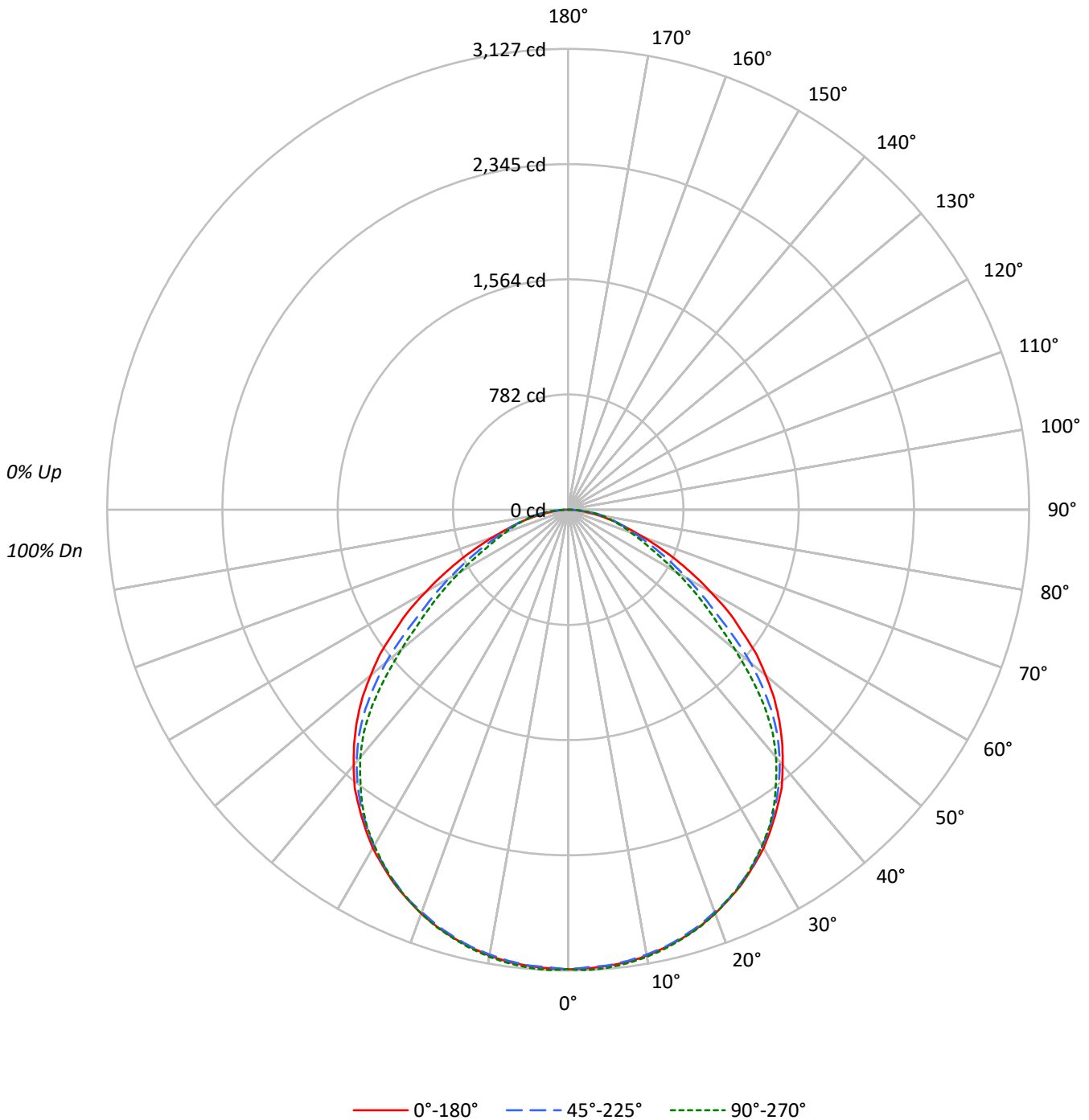
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7777.0 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	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	93	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75					73				
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64					62				
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9351	9351	9351
5°	9352	9340	9386
10°	9355	9331	9378
15°	9335	9312	9347
20°	9302	9265	9302
25°	9251	9213	9239
30°	9177	9124	9111
35°	9042	8972	8916
40°	8858	8738	8588
45°	8588	8312	7970
50°	8159	7533	6889
55°	7520	6397	5935
60°	6694	5590	5084
65°	5743	4845	4327
70°	4741	4271	3968
75°	4000	4088	3867
80°	3377	4173	3974
85°	2638	4224	3694



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.7	3.8
10°-20°	848.5	10.9
20°-30°	1285.4	16.5
30°-40°	1531.6	19.7
40°-50°	1497.8	19.3
50°-60°	1132.8	14.6
60°-70°	696.0	8.9
70°-80°	370.8	4.8
80°-90°	118.3	1.5
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°	2429.7	31.2
0°-40°	3961.3	50.9
0°-60°	6591.9	84.8
0°-90°	7777.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7777.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3119	3119	3119	3119	3119	
5°	3107	3111	3104	3115	3119	296
15°	3008	3012	3000	3012	3012	849
25°	2797	2793	2785	2789	2793	1288
35°	2471	2467	2451	2440	2436	1545
45°	2026	2014	1960	1895	1880	1558
55°	1439	1366	1224	1155	1136	1288
65°	810	744	683	629	610	806
75°	345	349	353	341	334	370
85°	77	100	123	115	107	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3118.9	3118.9	3118.9	3118.9	3118.9
2.5°	3115.0	3118.9	3107.4	3122.7	3126.6
5°	3107.4	3111.2	3103.5	3115.0	3118.9
7.5°	3095.9	3095.9	3088.2	3099.7	3103.5
10°	3072.8	3072.8	3065.2	3076.7	3080.5
12.5°	3042.2	3042.2	3038.3	3046.0	3049.8
15°	3007.6	3011.5	3000.0	3011.5	3011.5
17.5°	2965.4	2961.6	2957.8	2965.4	2969.3
20°	2915.6	2915.6	2904.1	2911.7	2915.6
22.5°	2858.0	2858.0	2854.2	2858.0	2854.2
25°	2796.6	2792.8	2785.1	2789.0	2792.8
27.5°	2723.7	2723.7	2716.1	2716.1	2712.2
30°	2650.9	2647.0	2635.5	2627.8	2631.7
32.5°	2562.6	2558.8	2547.3	2539.6	2543.4
35°	2470.6	2466.7	2451.4	2439.9	2436.0
37.5°	2378.5	2367.0	2347.8	2332.4	2317.1
40°	2263.4	2251.9	2232.7	2198.2	2194.3
42.5°	2148.3	2136.8	2106.1	2063.9	2052.4
45°	2025.5	2014.0	1960.3	1895.1	1879.8
47.5°	1895.1	1875.9	1791.5	1711.0	1680.3
50°	1749.3	1714.8	1615.1	1511.5	1477.0
52.5°	1607.4	1546.0	1415.6	1323.5	1289.0
55°	1438.6	1365.7	1223.8	1154.7	1135.5
57.5°	1289.0	1189.2	1074.2	1005.1	989.8
60°	1116.4	1024.3	932.2	870.8	847.8
62.5°	959.1	878.5	801.8	748.1	721.2
65°	809.5	744.2	682.9	629.1	610.0
67.5°	663.7	629.1	579.3	537.1	525.6
70°	540.9	521.7	487.2	468.0	452.7
72.5°	429.7	437.3	414.3	406.6	395.1
75°	345.3	349.1	352.9	341.4	333.8
77.5°	260.9	280.0	295.4	287.7	280.0
80°	195.6	214.8	241.7	230.2	230.2
82.5°	134.3	157.3	180.3	172.6	168.8
85°	76.7	99.7	122.8	115.1	107.4
87.5°	30.7	49.9	53.7	53.7	49.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)