

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: P737913

Luminaire Tested: **14PT-60-PP3-L840**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737913  
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-60-PP3-L840  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

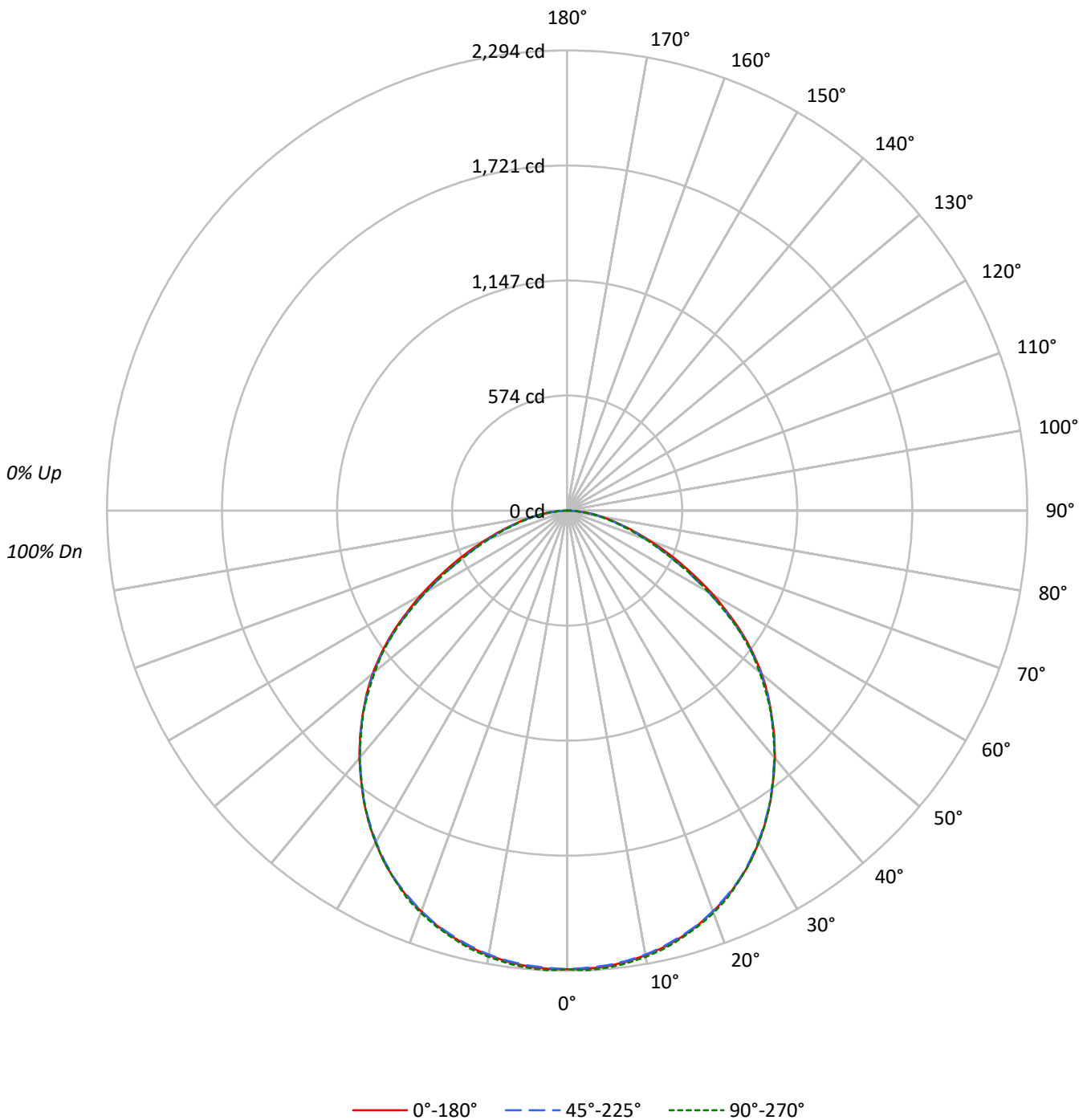
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5909.0 lumens  
Efficiency: N/A  
Efficacy: 118.7 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): 49.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	6856	6856	6856
5°	6863	6848	6885
10°	6853	6843	6876
15°	6830	6817	6848
20°	6785	6780	6809
25°	6725	6714	6722
30°	6612	6598	6612
35°	6468	6459	6465
40°	6303	6283	6300
45°	6114	6096	6103
50°	5908	5881	5839
55°	5563	5497	5480
60°	5047	4878	4888
65°	4434	4210	4205
70°	3835	3660	3617
75°	3318	3192	3125
80°	2939	2895	2766
85°	2429	2511	2370



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.9	3.7
10°-20°	621.3	10.5
20°-30°	935.4	15.8
30°-40°	1104.1	18.7
40°-50°	1110.4	18.8
50°-60°	937.4	15.9
60°-70°	602.0	10.2
70°-80°	299.4	5.1
80°-90°	82.0	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°	1773.7	30.0
0°-40°	2877.7	48.7
0°-60°	4925.5	83.4
0°-90°	5909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5909.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2287	2287	2287	2287	2287	
5°	2280	2281	2275	2286	2288	217
15°	2201	2201	2196	2206	2206	621
25°	2033	2034	2030	2034	2032	935
35°	1767	1768	1765	1766	1766	1104
45°	1442	1447	1438	1439	1439	1113
55°	1064	1063	1052	1048	1048	947
65°	625	616	594	588	593	623
75°	286	285	276	273	270	310
85°	71	73	73	69	69	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2286.9	2286.9	2286.9	2286.9	2286.9
2.5°	2286.1	2286.9	2281.1	2291.9	2293.5
5°	2280.3	2281.1	2275.3	2286.1	2287.7
7.5°	2268.6	2269.5	2264.5	2274.5	2276.1
10°	2251.2	2253.7	2247.9	2257.0	2258.7
12.5°	2229.6	2230.5	2224.7	2235.4	2237.1
15°	2200.6	2201.4	2196.4	2206.4	2206.4
17.5°	2167.4	2168.2	2164.9	2173.2	2172.4
20°	2126.7	2129.2	2125.0	2130.8	2134.2
22.5°	2082.7	2083.5	2078.6	2086.0	2089.3
25°	2032.9	2033.7	2029.6	2033.7	2032.1
27.5°	1974.8	1976.5	1970.6	1974.8	1975.6
30°	1910.0	1914.2	1905.9	1909.2	1910.0
32.5°	1840.3	1842.8	1837.0	1837.8	1842.0
35°	1767.3	1768.1	1764.8	1766.4	1766.4
37.5°	1688.4	1691.7	1686.7	1689.2	1685.9
40°	1610.4	1607.1	1605.4	1607.1	1609.6
42.5°	1528.2	1529.0	1526.5	1524.9	1520.7
45°	1441.9	1446.9	1437.7	1439.4	1439.4
47.5°	1357.2	1358.0	1353.1	1348.1	1344.8
50°	1266.7	1266.7	1260.9	1256.8	1251.8
52.5°	1167.9	1166.3	1159.6	1155.5	1158.0
55°	1064.2	1063.3	1051.7	1047.6	1048.4
57.5°	950.5	952.1	934.7	930.5	930.5
60°	841.7	833.4	813.5	807.7	815.2
62.5°	728.0	718.0	696.4	696.4	702.3
65°	625.1	615.9	593.5	587.7	592.7
67.5°	528.8	520.5	499.7	496.4	498.1
70°	437.5	430.0	417.5	410.1	412.6
72.5°	358.6	352.0	343.7	337.8	334.5
75°	286.4	284.7	275.6	273.1	269.8
77.5°	226.6	225.8	218.3	215.0	211.7
80°	170.2	169.3	167.7	162.7	160.2
82.5°	121.2	121.2	120.4	116.2	113.7
85°	70.6	73.0	73.0	68.9	68.9
87.5°	28.2	29.9	28.2	28.2	27.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)