

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: P737922

Luminaire Tested: **14PT-60-PR1-L850**

Issue Date: 2/8/2024



**Test Information**

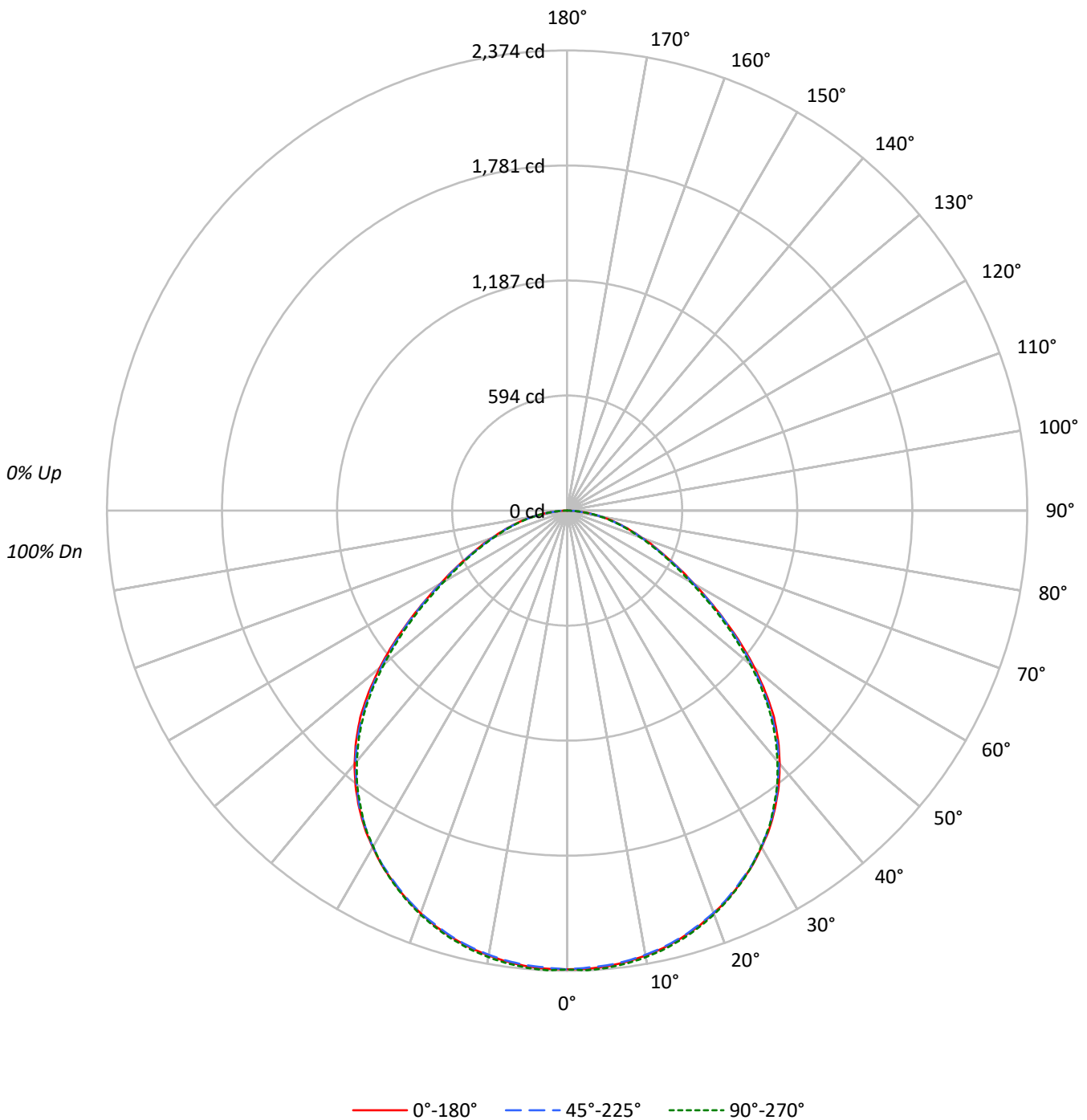
Test Method: LM-79-08  
Report Number: P737922  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-60-PR1-L850  
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5986.0 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	80	73	68	78	71	66		75	70	65		72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57		67	61	56		65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50		61	54	49		59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44		55	49	44		53	48	43	41
7	67	54	45	40	65	53	45	39	52	44	39		50	44	39		49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35		46	40	35		45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32		43	36	32		42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29		39	33	29		39	33	29	27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	7096	7096	7096
5°	7103	7088	7126
10°	7097	7084	7123
15°	7083	7073	7107
20°	7054	7046	7073
25°	7008	6991	7016
30°	6946	6937	6928
35°	6850	6834	6806
40°	6677	6651	6604
45°	6399	6327	6280
50°	5888	5820	5750
55°	5210	5188	5086
60°	4527	4512	4390
65°	3990	3966	3888
70°	3622	3569	3495
75°	3351	3272	3213
80°	3061	3018	2914
85°	2422	2394	2305



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.5	3.8
10°-20°	644.4	10.8
20°-30°	976.3	16.3
30°-40°	1165.5	19.5
40°-50°	1146.2	19.1
50°-60°	885.9	14.8
60°-70°	558.6	9.3
70°-80°	302.1	5.0
80°-90°	82.6	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°	1845.2	30.8
0°-40°	3010.7	50.3
0°-60°	5042.7	84.2
0°-90°	5986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5986.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2367	2367	2367	2367	2367	
5°	2360	2361	2355	2365	2368	224
15°	2282	2283	2279	2286	2290	644
25°	2118	2120	2113	2120	2121	976
35°	1872	1872	1867	1865	1860	1169
45°	1509	1503	1492	1480	1481	1156
55°	997	1005	993	976	973	894
65°	562	563	559	550	548	566
75°	289	286	282	284	277	307
85°	70	71	70	70	67	84
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2366.9	2366.9	2366.9	2366.9	2366.9
2.5°	2366.1	2366.9	2360.2	2371.2	2373.7
5°	2360.2	2361.0	2355.1	2365.2	2367.8
7.5°	2348.3	2350.0	2344.0	2354.2	2356.8
10°	2331.3	2333.0	2327.1	2337.3	2339.8
12.5°	2310.1	2311.0	2305.9	2315.2	2317.7
15°	2282.1	2283.0	2278.7	2286.4	2289.7
17.5°	2249.9	2250.7	2244.8	2254.1	2255.8
20°	2210.8	2211.7	2208.3	2215.9	2216.8
22.5°	2167.6	2169.3	2164.2	2171.0	2171.8
25°	2118.4	2120.1	2113.3	2120.1	2120.9
27.5°	2066.6	2067.5	2061.5	2066.6	2065.8
30°	2006.4	2011.5	2003.8	2002.1	2001.3
32.5°	1943.6	1944.5	1936.8	1935.1	1938.5
35°	1871.5	1872.3	1867.3	1864.7	1859.6
37.5°	1792.6	1792.6	1783.3	1781.6	1780.7
40°	1706.1	1705.2	1699.3	1693.3	1687.4
42.5°	1611.9	1613.6	1601.7	1591.5	1589.8
45°	1509.2	1503.3	1492.3	1480.4	1481.2
47.5°	1387.9	1389.6	1374.4	1365.0	1362.5
50°	1262.4	1262.4	1247.9	1237.8	1232.7
52.5°	1130.9	1131.7	1118.1	1104.6	1102.0
55°	996.8	1005.3	992.6	976.5	973.1
57.5°	871.3	878.1	866.2	849.2	848.4
60°	755.0	755.9	752.5	736.4	732.1
62.5°	655.8	651.5	649.8	641.4	636.3
65°	562.5	563.3	559.1	549.7	548.0
67.5°	487.0	486.1	478.5	472.5	469.1
70°	413.2	410.6	407.2	402.1	398.7
72.5°	347.0	347.0	344.4	342.7	336.8
75°	289.3	285.9	282.5	284.2	277.4
77.5°	234.1	230.8	228.2	224.8	223.1
80°	177.3	173.9	174.8	169.7	168.8
82.5°	123.0	123.0	121.3	117.1	117.9
85°	70.4	71.3	69.6	70.4	67.0
87.5°	25.5	26.3	28.0	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)