

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: P737904

Luminaire Tested: **14PT-60-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PL1-L835
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

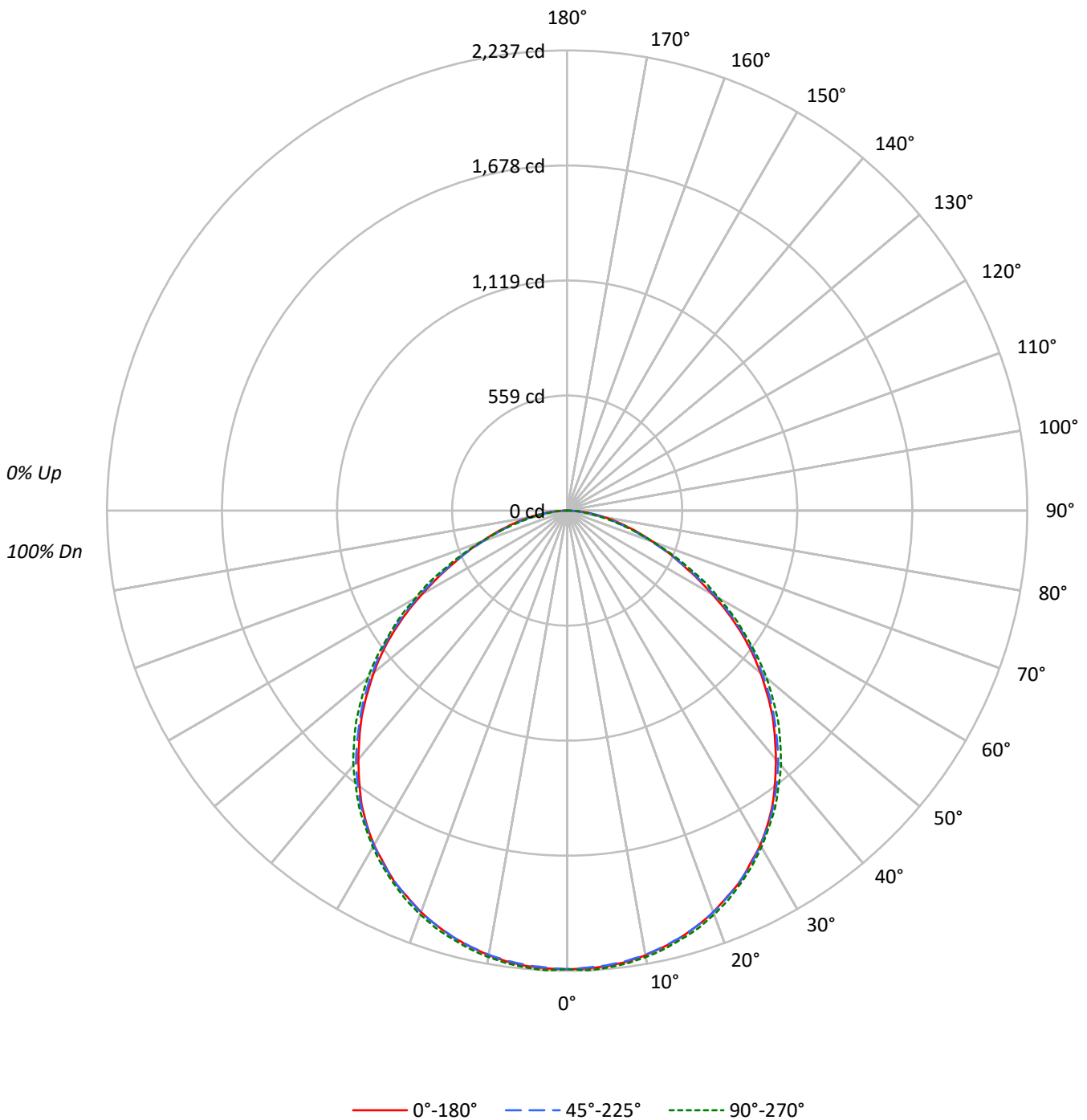
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5877.0 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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_{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

TEST NUMBER: P737904
CATALOG NUMBER: 14PT-60-PL1-L835

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	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6684	6684	6684
5°	6690	6677	6715
10°	6682	6674	6712
15°	6661	6658	6692
20°	6628	6628	6665
25°	6583	6574	6610
30°	6500	6508	6540
35°	6376	6400	6452
40°	6178	6249	6330
45°	5985	6035	6150
50°	5722	5783	5899
55°	5388	5475	5540
60°	4889	4992	5117
65°	4342	4389	4565
70°	3881	3802	3896
75°	3502	3301	3234
80°	3180	2952	2624
85°	2700	2442	2102



TEST NUMBER: P737904

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.5	3.6
10°-20°	606.6	10.3
20°-30°	917.5	15.6
30°-40°	1093.6	18.6
40°-50°	1099.7	18.7
50°-60°	933.3	15.9
60°-70°	621.4	10.6
70°-80°	310.3	5.3
80°-90°	83.0	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°	1735.6	29.5
0°-40°	2829.2	48.1
0°-60°	4862.2	82.7
0°-90°	5877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2230	2230	2230	2230	2230	
5°	2223	2224	2219	2229	2231	211
15°	2146	2148	2145	2154	2156	606
25°	1990	1990	1987	1996	1998	915
35°	1742	1744	1749	1761	1763	1087
45°	1412	1414	1423	1442	1450	1086
55°	1031	1038	1047	1057	1060	919
65°	612	617	619	628	644	614
75°	302	298	285	278	279	325
85°	78	77	71	67	61	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2229.5	2229.5	2229.5	2229.5	2229.5
2.5°	2227.8	2229.5	2223.7	2234.4	2236.9
5°	2222.9	2223.7	2218.7	2228.6	2231.1
7.5°	2212.1	2212.9	2208.0	2218.7	2220.4
10°	2194.8	2196.4	2192.3	2202.2	2204.7
12.5°	2172.5	2174.9	2170.8	2181.6	2183.2
15°	2146.0	2148.5	2145.2	2154.3	2155.9
17.5°	2113.8	2115.5	2113.8	2122.1	2127.0
20°	2077.5	2077.5	2077.5	2084.9	2089.0
22.5°	2032.0	2036.2	2034.5	2044.4	2048.6
25°	1989.9	1989.9	1987.4	1996.5	1998.2
27.5°	1931.3	1937.9	1937.0	1945.3	1947.0
30°	1877.6	1879.2	1880.0	1885.8	1889.1
32.5°	1812.3	1814.0	1816.4	1824.7	1825.5
35°	1742.1	1743.8	1748.7	1761.1	1762.8
37.5°	1660.3	1669.4	1673.5	1686.8	1688.4
40°	1578.5	1584.3	1596.7	1610.8	1617.4
42.5°	1495.1	1501.7	1509.2	1528.2	1533.9
45°	1411.7	1414.2	1423.3	1442.3	1450.5
47.5°	1319.2	1326.6	1334.9	1351.4	1356.3
50°	1226.7	1234.9	1239.9	1254.7	1264.7
52.5°	1133.3	1140.8	1146.5	1155.6	1165.5
55°	1030.9	1038.3	1047.4	1057.3	1059.8
57.5°	926.8	935.1	940.9	951.6	962.3
60°	815.3	824.4	832.6	842.6	853.3
62.5°	711.2	715.3	723.6	740.1	755.8
65°	612.1	617.0	618.7	627.8	643.5
67.5°	529.5	529.5	522.1	525.4	542.7
70°	442.8	439.4	433.7	430.4	444.4
72.5°	372.5	368.4	356.0	350.2	357.7
75°	302.3	298.2	285.0	278.4	279.2
77.5°	242.9	236.2	225.5	213.9	211.5
80°	184.2	181.7	171.0	160.3	152.0
82.5°	130.5	124.7	118.9	112.3	105.7
85°	78.5	76.8	71.0	66.9	61.1
87.5°	32.2	32.2	30.6	28.9	27.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)