

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: P737895

Luminaire Tested: **14PT-60-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737895
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-60-PC3-L830
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

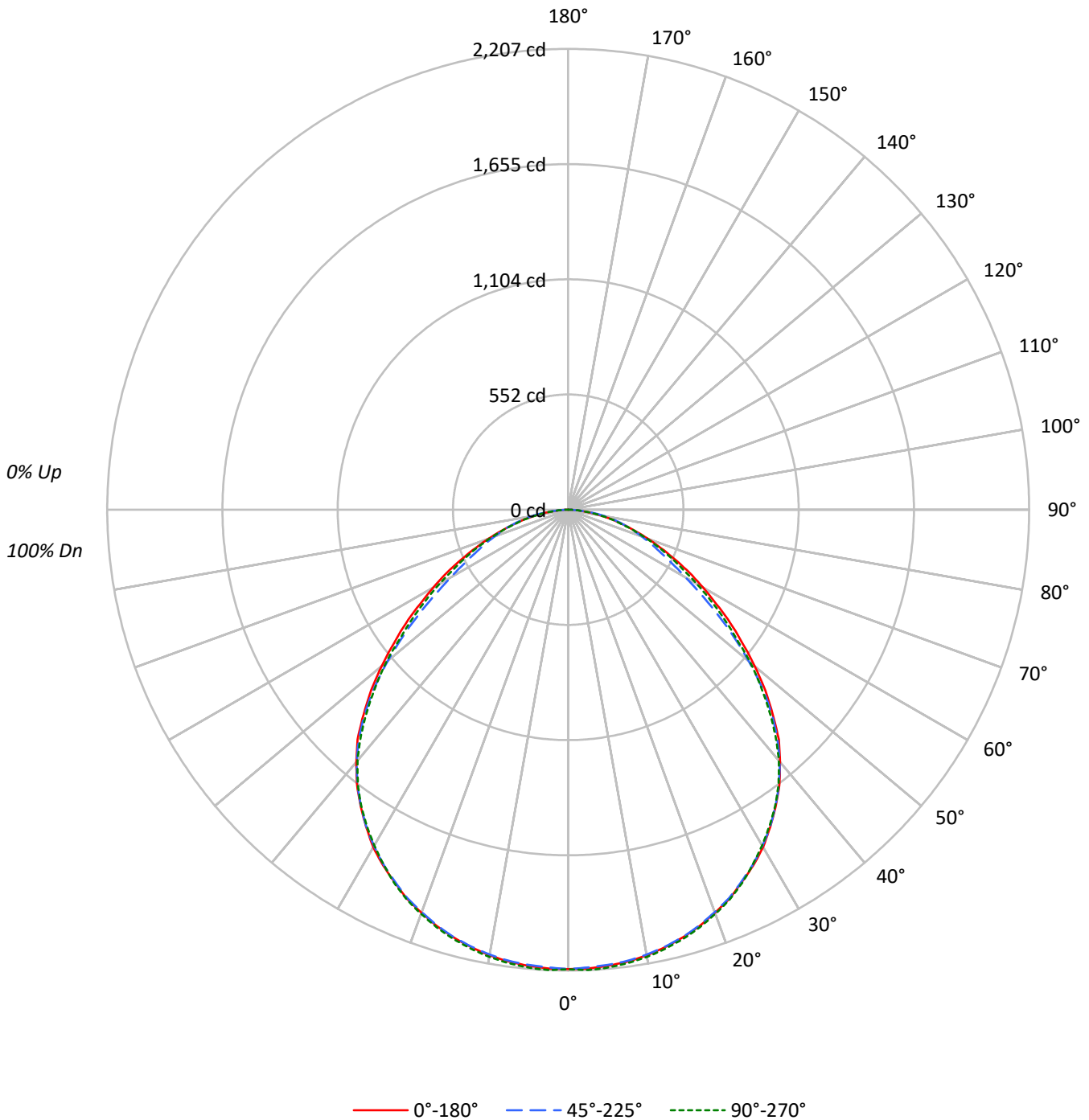
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5547.0 lumens
Efficiency: N/A
Efficacy: 111.4 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): 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

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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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6597	6597	6597
5°	6598	6586	6624
10°	6598	6586	6622
15°	6583	6575	6605
20°	6553	6543	6571
25°	6508	6498	6524
30°	6460	6438	6427
35°	6342	6337	6325
40°	6175	6166	6138
45°	5872	5829	5769
50°	5436	5252	5311
55°	4961	4558	4763
60°	4473	3889	4266
65°	3997	3478	3835
70°	3546	3291	3449
75°	3136	3190	3072
80°	2704	3044	2690
85°	2030	2408	2030



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.7	3.8
10°-20°	599.0	10.8
20°-30°	906.9	16.3
30°-40°	1081.2	19.5
40°-50°	1056.5	19.0
50°-60°	807.8	14.6
60°-70°	518.6	9.3
70°-80°	288.5	5.2
80°-90°	79.7	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°	1714.6	30.9
0°-40°	2795.8	50.4
0°-60°	4660.1	84.0
0°-90°	5547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2200	2200	2200	2200	2200	
5°	2192	2194	2188	2199	2201	209
15°	2121	2122	2118	2126	2128	599
25°	1967	1970	1964	1970	1972	907
35°	1733	1734	1731	1730	1728	1083
45°	1385	1388	1375	1372	1361	1066
55°	949	916	872	883	911	848
65°	564	520	490	507	541	562
75°	271	273	275	272	265	289
85°	59	69	70	68	59	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2200.3	2200.3	2200.3	2200.3	2200.3
2.5°	2198.8	2199.5	2194.0	2203.5	2206.6
5°	2192.5	2194.0	2188.5	2198.8	2201.1
7.5°	2183.0	2184.6	2179.1	2189.3	2190.1
10°	2167.3	2168.1	2163.3	2173.6	2175.2
12.5°	2146.0	2148.4	2142.9	2152.3	2153.1
15°	2120.9	2122.4	2118.5	2125.6	2127.9
17.5°	2090.9	2091.7	2087.8	2095.7	2096.5
20°	2054.0	2054.0	2050.8	2059.5	2059.5
22.5°	2016.2	2013.8	2013.0	2016.2	2020.9
25°	1967.4	1969.8	1964.2	1970.5	1972.1
27.5°	1920.2	1920.2	1915.5	1918.6	1914.7
30°	1865.9	1862.7	1859.6	1860.4	1856.4
32.5°	1800.6	1800.6	1799.0	1799.0	1794.3
35°	1732.9	1734.5	1731.3	1730.5	1728.2
37.5°	1660.5	1662.8	1657.3	1655.8	1654.2
40°	1577.9	1577.9	1575.5	1572.3	1568.4
42.5°	1492.1	1492.1	1481.8	1474.0	1468.5
45°	1385.0	1388.2	1374.8	1371.7	1360.7
47.5°	1278.8	1276.4	1258.3	1256.0	1249.7
50°	1165.5	1152.1	1126.1	1133.2	1138.7
52.5°	1052.2	1035.6	997.9	1005.7	1015.2
55°	949.1	916.0	872.0	883.0	911.3
57.5°	841.3	797.2	753.1	773.6	809.0
60°	746.0	696.5	648.5	670.5	711.4
62.5°	654.7	602.0	563.5	584.7	619.3
65°	563.5	520.2	490.3	506.8	540.6
67.5°	480.0	450.9	430.5	438.3	465.9
70°	404.5	386.4	375.4	377.7	393.5
72.5°	332.9	328.2	324.2	324.2	325.8
75°	270.7	273.1	275.4	271.5	265.2
77.5°	213.3	221.1	226.6	218.8	210.9
80°	156.6	169.2	176.3	167.6	155.8
82.5°	107.0	121.2	123.6	118.0	104.7
85°	59.0	69.3	70.0	67.7	59.0
87.5°	22.0	26.0	28.3	26.0	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)