

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: P412677

Luminaire Tested: **14PD-55-PP3-L830**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-55-PP3-L830
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

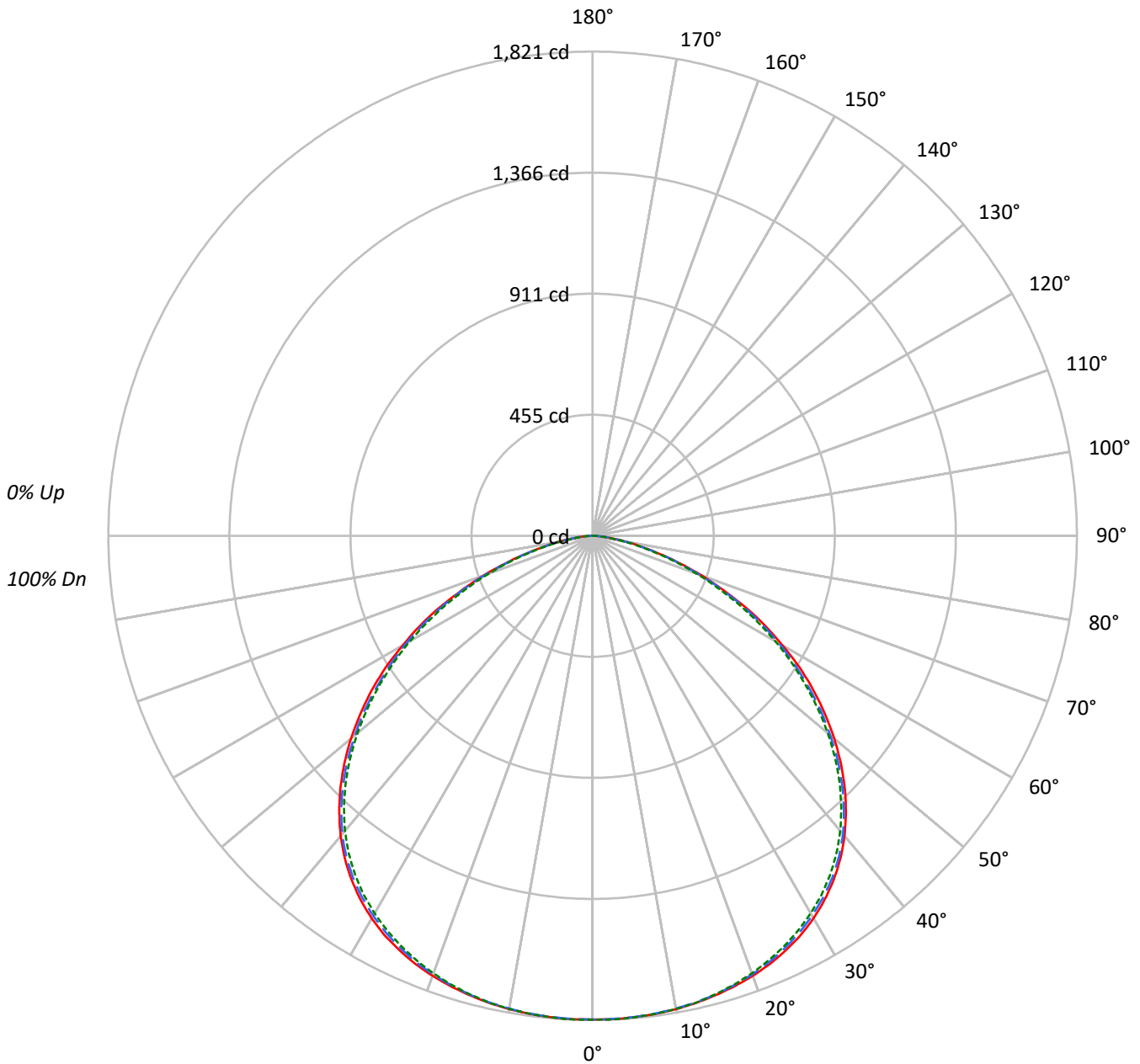
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5294.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
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: P412677
CATALOG NUMBER: 14PD-55-PP3-L830

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4896	4896	4896
5°	4909	4907	4910
10°	4940	4934	4938
15°	4983	4976	4973
20°	5044	5027	5015
25°	5107	5080	5056
30°	5163	5127	5094
35°	5191	5160	5113
40°	5178	5146	5088
45°	5104	5053	4997
50°	4963	4883	4833
55°	4758	4644	4585
60°	4433	4356	4268
65°	4019	3938	3824
70°	3430	3367	3259
75°	2678	2651	2524
80°	1976	1894	1787
85°	1192	1192	1112



TEST NUMBER: P412677

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.1	3.3
10°-20°	505.1	9.5
20°-30°	789.5	14.9
30°-40°	981.2	18.5
40°-50°	1022.3	19.3
50°-60°	887.1	16.8
60°-70°	610.0	11.5
70°-80°	275.3	5.2
80°-90°	50.4	1.0
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°	1467.7	27.7
0°-40°	2448.9	46.3
0°-60°	4358.3	82.3
0°-90°	5294.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5294.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1819	1819	1819	1819	1819	
5°	1817	1818	1817	1815	1818	173
15°	1789	1789	1786	1784	1785	506
25°	1720	1719	1711	1704	1703	793
35°	1580	1580	1571	1562	1556	987
45°	1341	1342	1328	1318	1313	1032
55°	1014	1008	990	978	977	904
65°	631	628	618	604	600	623
75°	258	259	255	248	243	281
85°	39	38	39	38	36	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1819.4	1819.4	1819.4	1819.4	1819.4
2.5°	1819.9	1819.9	1818.9	1817.3	1821.0
5°	1817.3	1817.8	1816.7	1815.2	1817.8
7.5°	1813.6	1814.1	1812.5	1810.9	1813.0
10°	1807.8	1807.2	1805.6	1804.6	1807.2
12.5°	1799.3	1798.8	1797.2	1796.1	1798.2
15°	1788.7	1788.7	1786.1	1784.5	1785.0
17.5°	1776.0	1776.0	1772.3	1768.6	1769.7
20°	1761.2	1760.7	1755.4	1751.7	1751.1
22.5°	1742.7	1742.7	1735.3	1730.5	1728.9
25°	1719.9	1719.4	1710.9	1704.1	1703.0
27.5°	1694.0	1693.0	1682.9	1676.0	1673.4
30°	1661.7	1660.7	1650.1	1642.7	1639.5
32.5°	1623.6	1625.2	1613.1	1604.6	1601.4
35°	1580.3	1580.3	1570.7	1561.7	1556.5
37.5°	1530.5	1530.5	1521.5	1512.5	1506.2
40°	1473.9	1474.5	1464.9	1453.8	1448.5
42.5°	1410.4	1411.5	1398.8	1389.8	1384.0
45°	1341.1	1341.7	1327.9	1317.9	1313.1
47.5°	1266.0	1265.0	1249.6	1241.1	1236.4
50°	1185.6	1183.5	1166.5	1158.6	1154.4
52.5°	1101.5	1097.2	1082.4	1070.8	1067.1
55°	1014.2	1008.4	989.8	978.2	977.2
57.5°	923.2	916.3	901.0	889.9	885.6
60°	823.7	822.1	809.4	796.2	793.0
62.5°	730.6	725.9	714.7	698.9	697.3
65°	631.2	628.5	618.5	603.6	600.5
67.5°	528.5	531.2	522.7	509.5	505.2
70°	435.9	437.5	428.0	415.8	414.2
72.5°	342.8	345.5	337.5	329.6	328.0
75°	257.6	258.7	255.0	248.1	242.8
77.5°	183.1	186.8	182.5	177.8	173.5
80°	127.5	121.7	122.2	120.1	115.3
82.5°	76.7	74.1	73.5	71.4	69.3
85°	38.6	38.1	38.6	38.1	36.0
87.5°	12.7	13.8	14.3	14.3	13.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)