

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: P412758

Luminaire Tested: **22PD-55-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-55-PP3-L830
Description: 5500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

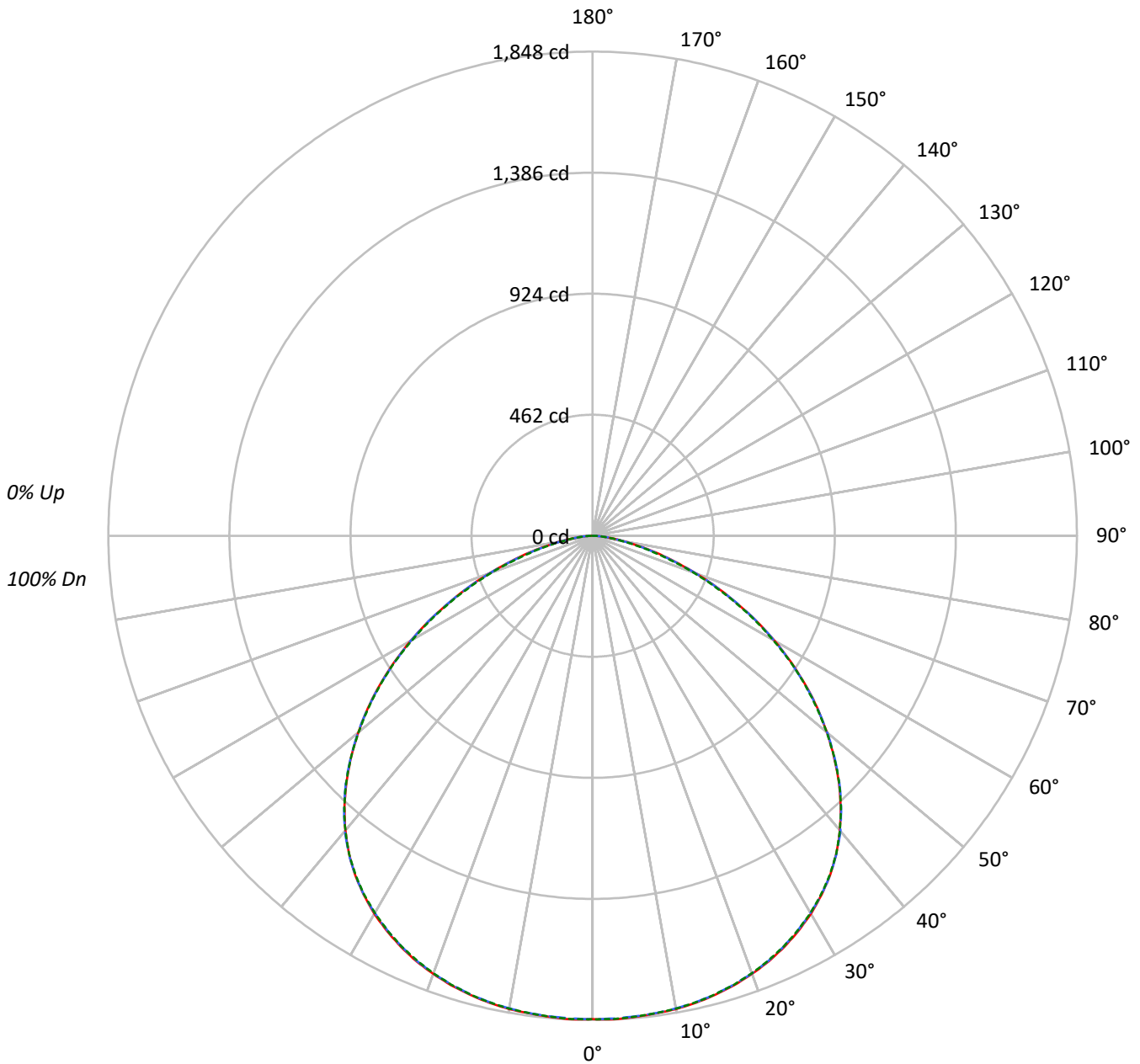
Lumens per Lamp: N/A
Luminaire Lumens: 5294.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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									
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	87	81	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
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°	4965	4965	4965
5°	4981	4974	4978
10°	5012	5005	5008
15°	5051	5046	5046
20°	5095	5090	5088
25°	5140	5131	5131
30°	5176	5167	5165
35°	5191	5191	5185
40°	5157	5168	5157
45°	5055	5069	5062
50°	4885	4893	4880
55°	4651	4639	4631
60°	4317	4307	4274
65°	3856	3852	3809
70°	3296	3277	3204
75°	2626	2549	2472
80°	1872	1833	1737
85°	1216	1216	1179



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	3.3
10°-20°	511.9	9.7
20°-30°	797.0	15.1
30°-40°	986.4	18.6
40°-50°	1022.9	19.3
50°-60°	881.6	16.7
60°-70°	599.4	11.3
70°-80°	268.2	5.1
80°-90°	51.1	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°	1484.3	28.0
0°-40°	2470.8	46.7
0°-60°	4375.3	82.6
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°	1845	1845	1845	1845	1845	
5°	1844	1840	1842	1841	1843	176
15°	1813	1810	1811	1810	1811	513
25°	1731	1729	1728	1728	1728	798
35°	1580	1578	1580	1578	1578	987
45°	1328	1327	1332	1329	1330	1022
55°	991	988	989	987	987	884
65°	606	610	605	603	598	601
75°	253	253	245	244	238	272
85°	39	41	39	38	38	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1845.2	1845.2	1845.2	1845.2	1845.2
2.5°	1847.7	1844.0	1844.0	1844.6	1846.4
5°	1844.0	1840.3	1841.5	1840.9	1842.7
7.5°	1839.0	1836.0	1837.8	1836.6	1837.8
10°	1834.1	1831.0	1831.6	1831.0	1832.9
12.5°	1825.5	1821.8	1823.0	1823.0	1823.6
15°	1813.2	1810.1	1811.3	1810.1	1811.3
17.5°	1798.4	1794.7	1795.3	1794.7	1795.9
20°	1779.3	1776.8	1777.4	1776.2	1776.8
22.5°	1757.7	1754.6	1755.2	1754.0	1754.0
25°	1731.2	1728.8	1728.1	1727.5	1728.1
27.5°	1700.4	1697.3	1697.3	1696.7	1696.7
30°	1665.9	1662.8	1662.8	1662.2	1662.2
32.5°	1625.3	1624.0	1624.6	1623.4	1622.8
35°	1580.3	1578.4	1580.3	1577.8	1578.4
37.5°	1527.9	1525.4	1529.1	1526.7	1527.3
40°	1468.1	1466.9	1471.2	1469.4	1468.1
42.5°	1401.6	1401.6	1403.5	1404.1	1402.8
45°	1328.3	1327.1	1332.0	1328.9	1330.1
47.5°	1249.4	1247.6	1251.3	1250.7	1250.1
50°	1166.9	1165.6	1168.7	1165.6	1165.6
52.5°	1081.2	1080.6	1081.2	1078.2	1077.5
55°	991.3	987.6	988.8	987.0	987.0
57.5°	897.6	893.3	893.9	893.3	893.9
60°	802.2	800.9	800.3	797.2	794.1
62.5°	704.2	705.4	704.8	700.5	697.4
65°	605.6	610.5	605.0	603.2	598.2
67.5°	512.6	514.4	510.7	506.4	500.9
70°	418.9	422.6	416.5	412.2	407.2
72.5°	329.6	332.1	326.5	324.1	317.9
75°	252.6	253.2	245.2	244.0	237.8
77.5°	179.9	182.4	176.2	176.2	170.0
80°	120.8	125.1	118.3	116.4	112.1
82.5°	75.8	76.4	74.5	72.7	70.9
85°	39.4	40.7	39.4	38.2	38.2
87.5°	14.8	15.4	14.8	14.2	14.8
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)