

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: P412678

Luminaire Tested: **14PD-55-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412678
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-L835
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

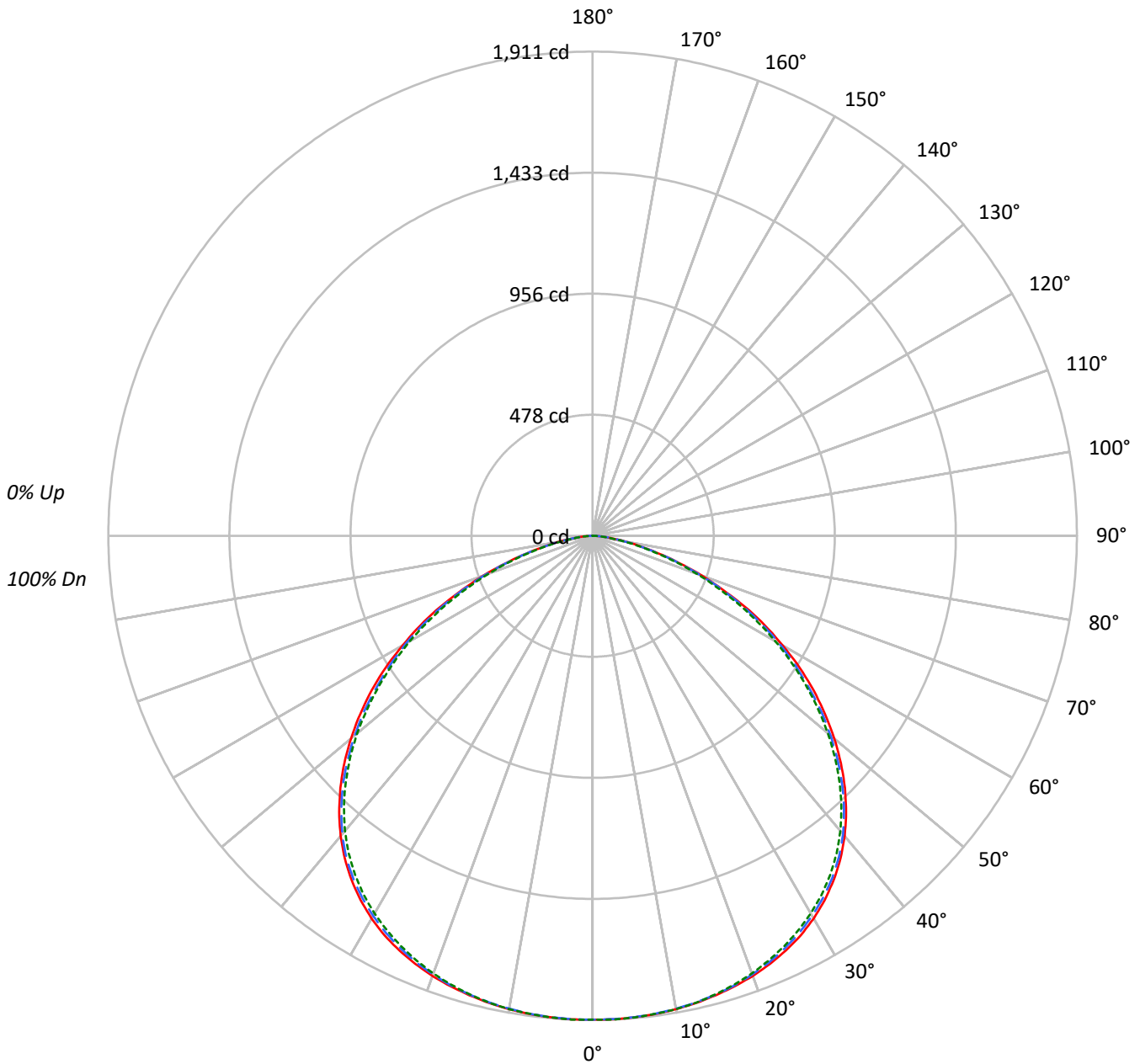
Lumens per Lamp: N/A
Luminaire Lumens: 5557.0 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	5139	5139	5139
5°	5153	5151	5154
10°	5185	5179	5184
15°	5231	5223	5220
20°	5294	5277	5264
25°	5361	5332	5308
30°	5420	5382	5348
35°	5449	5416	5367
40°	5435	5402	5341
45°	5358	5305	5245
50°	5210	5126	5073
55°	4995	4875	4812
60°	4653	4573	4480
65°	4218	4134	4013
70°	3600	3535	3421
75°	2811	2783	2650
80°	2073	1988	1877
85°	1250	1250	1167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.7	3.3
10°-20°	530.2	9.5
20°-30°	828.7	14.9
30°-40°	1029.9	18.5
40°-50°	1073.1	19.3
50°-60°	931.2	16.8
60°-70°	640.3	11.5
70°-80°	288.9	5.2
80°-90°	52.9	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°	1540.6	27.7
0°-40°	2570.5	46.3
0°-60°	4574.8	82.3
0°-90°	5557.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5557.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1910	1910	1910	1910	1910	
5°	1908	1908	1907	1905	1908	182
15°	1878	1878	1875	1873	1874	531
25°	1805	1805	1796	1789	1788	833
35°	1659	1659	1649	1639	1634	1037
45°	1408	1408	1394	1383	1378	1084
55°	1065	1058	1039	1027	1026	949
65°	662	660	649	634	630	654
75°	270	272	268	260	255	294
85°	40	40	40	40	38	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1909.8	1909.8	1909.8	1909.8	1909.8
2.5°	1910.3	1910.3	1909.2	1907.6	1911.4
5°	1907.6	1908.1	1907.0	1905.3	1908.1
7.5°	1903.7	1904.2	1902.6	1900.9	1903.1
10°	1897.6	1897.0	1895.3	1894.2	1897.0
12.5°	1888.7	1888.1	1886.5	1885.3	1887.6
15°	1877.6	1877.6	1874.8	1873.1	1873.7
17.5°	1864.2	1864.2	1860.4	1856.5	1857.6
20°	1848.7	1848.1	1842.6	1838.7	1838.1
22.5°	1829.3	1829.3	1821.5	1816.5	1814.8
25°	1805.4	1804.8	1795.9	1788.7	1787.6
27.5°	1778.2	1777.1	1766.5	1759.3	1756.5
30°	1744.3	1743.2	1732.1	1724.3	1721.0
32.5°	1704.3	1706.0	1693.2	1684.3	1681.0
35°	1658.8	1658.8	1648.8	1639.3	1633.8
37.5°	1606.6	1606.6	1597.1	1587.7	1581.0
40°	1547.1	1547.7	1537.7	1526.0	1520.5
42.5°	1480.5	1481.6	1468.3	1458.9	1452.7
45°	1407.8	1408.3	1393.9	1383.3	1378.3
47.5°	1328.9	1327.8	1311.7	1302.8	1297.8
50°	1244.5	1242.3	1224.5	1216.2	1211.7
52.5°	1156.2	1151.8	1136.2	1124.0	1120.1
55°	1064.6	1058.5	1039.0	1026.8	1025.7
57.5°	969.1	961.8	945.7	934.1	929.6
60°	864.6	863.0	849.7	835.8	832.4
62.5°	766.9	761.9	750.3	733.6	731.9
65°	662.5	659.7	649.2	633.6	630.3
67.5°	554.8	557.6	548.7	534.8	530.3
70°	457.6	459.3	449.3	436.5	434.8
72.5°	359.9	362.6	354.3	346.0	344.3
75°	270.4	271.6	267.7	260.4	254.9
77.5°	192.1	196.0	191.6	186.6	182.1
80°	133.8	127.7	128.3	126.1	121.1
82.5°	80.5	77.7	77.2	75.0	72.7
85°	40.5	40.0	40.5	40.0	37.8
87.5°	13.3	14.4	15.0	15.0	13.9
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)