

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: P412679

Luminaire Tested: **14PD-55-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412679
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-L840
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

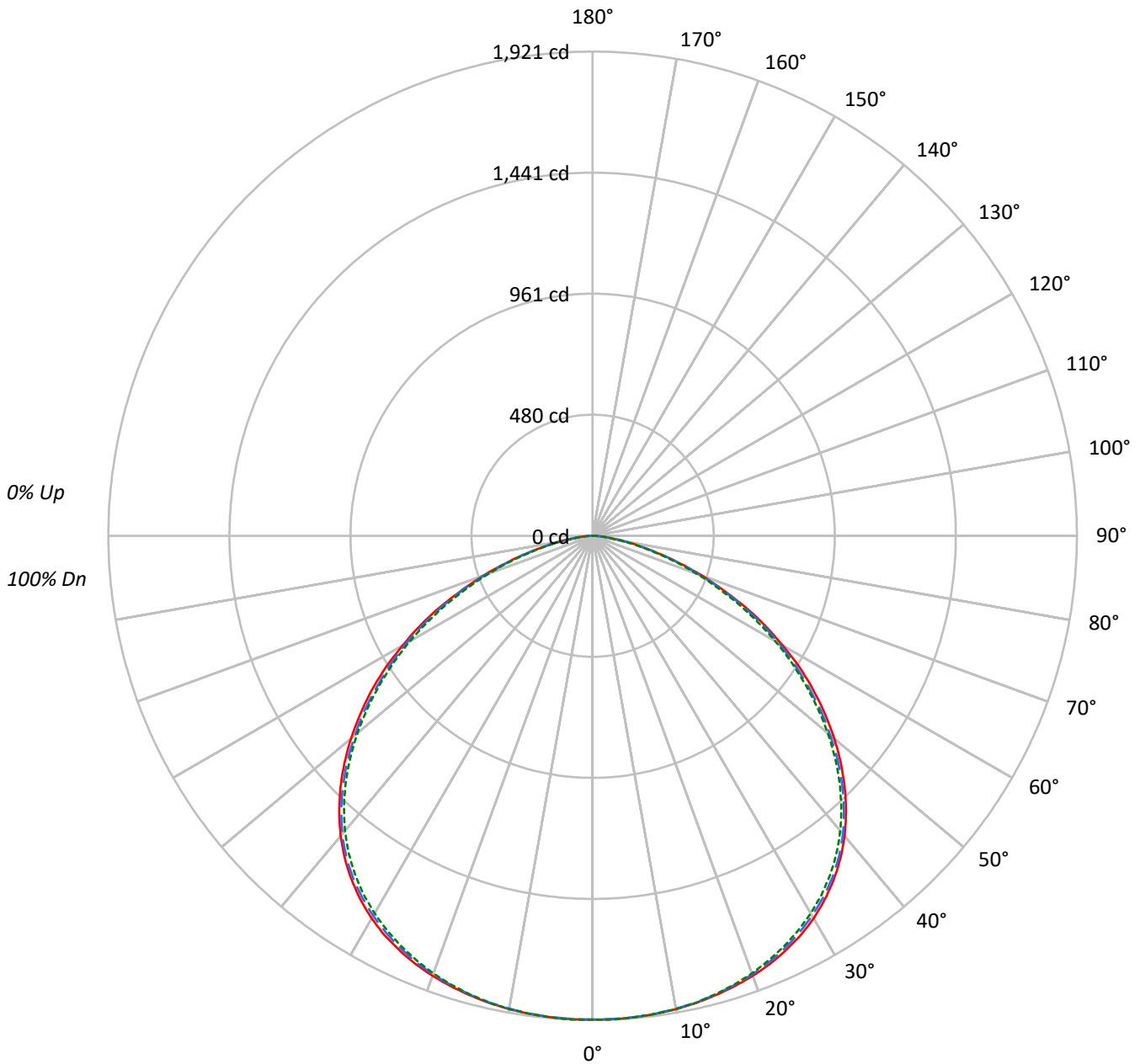
Lumens per Lamp: N/A
Luminaire Lumens: 5585.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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									
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°	5165	5165	5165
5°	5179	5177	5180
10°	5211	5205	5210
15°	5257	5249	5246
20°	5321	5303	5290
25°	5388	5359	5334
30°	5447	5409	5374
35°	5477	5444	5394
40°	5462	5429	5368
45°	5385	5331	5272
50°	5236	5152	5098
55°	5020	4899	4837
60°	4677	4596	4503
65°	4239	4155	4034
70°	3618	3552	3438
75°	2826	2797	2664
80°	2084	1998	1886
85°	1257	1257	1173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	3.3
10°-20°	532.9	9.5
20°-30°	832.9	14.9
30°-40°	1035.1	18.5
40°-50°	1078.5	19.3
50°-60°	935.9	16.8
60°-70°	643.5	11.5
70°-80°	290.4	5.2
80°-90°	53.2	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°	1548.4	27.7
0°-40°	2583.5	46.3
0°-60°	4597.9	82.3
0°-90°	5585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5585.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1919	1919	1919	1919	1919	
5°	1917	1918	1917	1915	1918	183
15°	1887	1887	1884	1883	1883	534
25°	1814	1814	1805	1798	1797	837
35°	1667	1667	1657	1648	1642	1042
45°	1415	1415	1401	1390	1385	1089
55°	1070	1064	1044	1032	1031	954
65°	666	663	652	637	634	657
75°	272	273	269	262	256	296
85°	41	40	41	40	38	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1919.4	1919.4	1919.4	1919.4	1919.4
2.5°	1920.0	1920.0	1918.8	1917.2	1921.1
5°	1917.2	1917.7	1916.6	1914.9	1917.7
7.5°	1913.3	1913.8	1912.1	1910.5	1912.7
10°	1907.1	1906.6	1904.9	1903.8	1906.6
12.5°	1898.2	1897.6	1896.0	1894.8	1897.1
15°	1887.0	1887.0	1884.2	1882.6	1883.1
17.5°	1873.6	1873.6	1869.7	1865.8	1866.9
20°	1858.0	1857.4	1851.9	1848.0	1847.4
22.5°	1838.5	1838.5	1830.7	1825.6	1824.0
25°	1814.5	1813.9	1805.0	1797.7	1796.6
27.5°	1787.1	1786.0	1775.4	1768.1	1765.4
30°	1753.1	1752.0	1740.8	1733.0	1729.6
32.5°	1712.9	1714.6	1701.7	1692.8	1689.5
35°	1667.1	1667.1	1657.1	1647.6	1642.0
37.5°	1614.7	1614.7	1605.2	1595.7	1589.0
40°	1554.9	1555.5	1545.5	1533.7	1528.2
42.5°	1488.0	1489.1	1475.7	1466.2	1460.1
45°	1414.9	1415.4	1400.9	1390.3	1385.3
47.5°	1335.6	1334.5	1318.3	1309.4	1304.3
50°	1250.8	1248.5	1230.7	1222.3	1217.8
52.5°	1162.0	1157.6	1141.9	1129.7	1125.7
55°	1069.9	1063.8	1044.3	1032.0	1030.9
57.5°	973.9	966.7	950.5	938.8	934.3
60°	869.0	867.3	853.9	840.0	836.6
62.5°	770.8	765.8	754.0	737.3	735.6
65°	665.8	663.1	652.5	636.8	633.5
67.5°	557.6	560.4	551.4	537.5	533.0
70°	459.9	461.6	451.5	438.7	437.0
72.5°	361.7	364.5	356.1	347.7	346.0
75°	271.8	272.9	269.0	261.8	256.2
77.5°	193.1	197.0	192.6	187.5	183.1
80°	134.5	128.4	128.9	126.7	121.7
82.5°	80.9	78.1	77.6	75.3	73.1
85°	40.7	40.2	40.7	40.2	38.0
87.5°	13.4	14.5	15.1	15.1	14.0
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)