

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: P412680

Luminaire Tested: **14PD-55-PP3-L850**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412680
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-L850
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

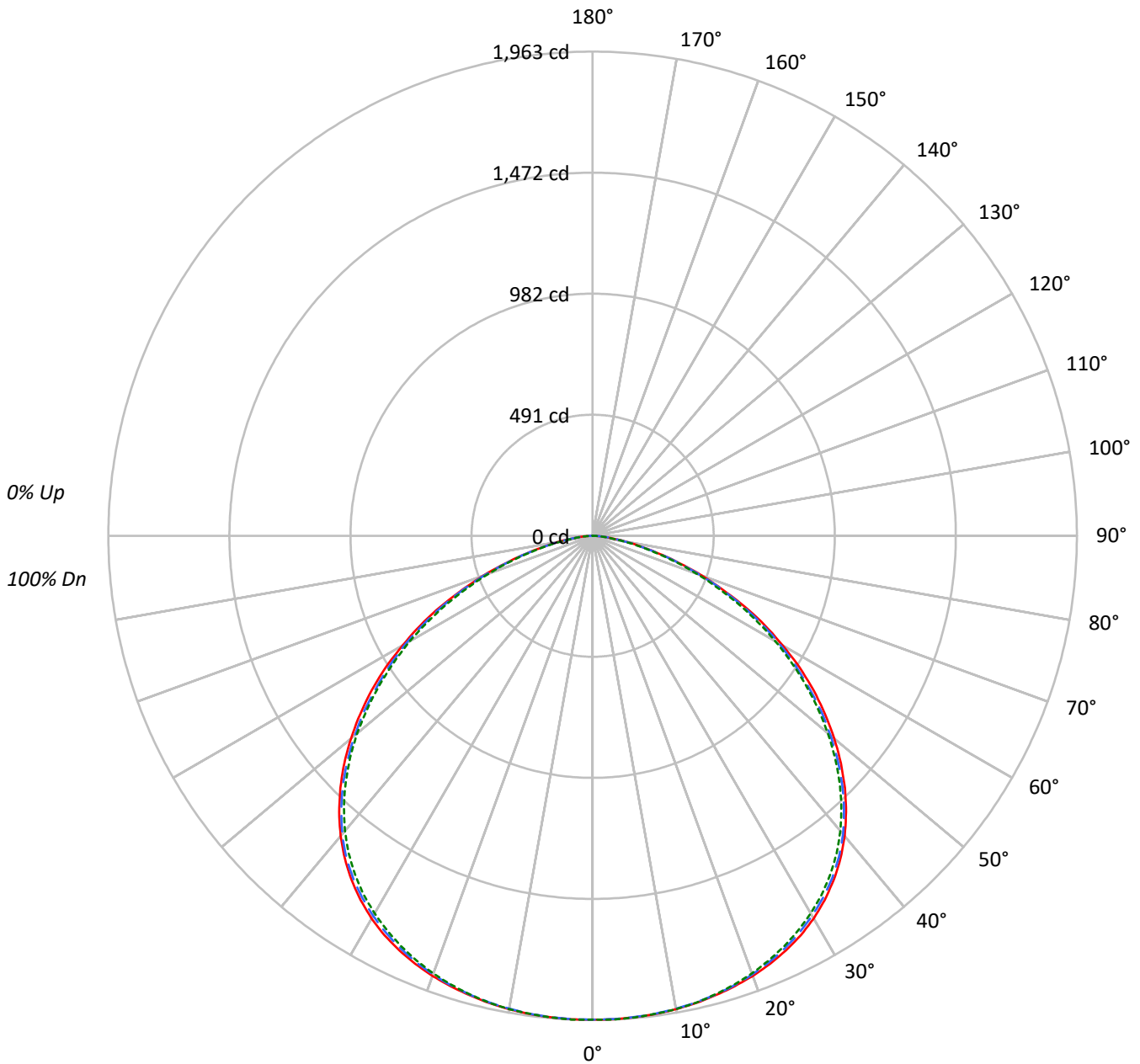
Lumens per Lamp: N/A
Luminaire Lumens: 5708.0 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P412680

CATALOG NUMBER: 14PD-55-PP3-L850

Luminous Intensity Polar Plot





TEST NUMBER: P412680

CATALOG NUMBER: 14PD-55-PP3-L850

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°	5279	5279	5279
5°	5293	5291	5294
10°	5326	5320	5325
15°	5373	5365	5362
20°	5438	5420	5407
25°	5506	5477	5452
30°	5567	5528	5493
35°	5597	5564	5513
40°	5583	5549	5486
45°	5503	5449	5388
50°	5352	5266	5211
55°	5130	5007	4943
60°	4780	4697	4602
65°	4333	4246	4122
70°	3698	3631	3514
75°	2888	2858	2722
80°	2131	2042	1928
85°	1284	1284	1198



TEST NUMBER: P412680

CATALOG NUMBER: 14PD-55-PP3-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	3.3
10°-20°	544.6	9.5
20°-30°	851.2	14.9
30°-40°	1057.9	18.5
40°-50°	1102.3	19.3
50°-60°	956.5	16.8
60°-70°	657.7	11.5
70°-80°	296.8	5.2
80°-90°	54.4	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°	1582.5	27.7
0°-40°	2640.4	46.3
0°-60°	4699.1	82.3
0°-90°	5708.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5708.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1962	1962	1962	1962	1962	
5°	1959	1960	1959	1957	1960	187
15°	1929	1929	1926	1924	1925	545
25°	1854	1854	1845	1837	1836	855
35°	1704	1704	1694	1684	1678	1065
45°	1446	1447	1432	1421	1416	1113
55°	1094	1087	1067	1055	1054	975
65°	680	678	667	651	647	672
75°	278	279	275	268	262	302
85°	42	41	42	41	39	56
90°	0	0	0	0	0	



TEST NUMBER: P412680

CATALOG NUMBER: 14PD-55-PP3-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1961.7	1961.7	1961.7	1961.7	1961.7
2.5°	1962.2	1962.2	1961.1	1959.4	1963.4
5°	1959.4	1960.0	1958.8	1957.1	1960.0
7.5°	1955.4	1956.0	1954.3	1952.5	1954.8
10°	1949.1	1948.6	1946.8	1945.7	1948.6
12.5°	1940.0	1939.4	1937.7	1936.6	1938.9
15°	1928.6	1928.6	1925.7	1924.0	1924.6
17.5°	1914.9	1914.9	1910.9	1906.9	1908.1
20°	1898.9	1898.4	1892.7	1888.7	1888.1
22.5°	1879.0	1879.0	1871.0	1865.8	1864.1
25°	1854.4	1853.9	1844.7	1837.3	1836.2
27.5°	1826.5	1825.3	1814.5	1807.1	1804.2
30°	1791.7	1790.5	1779.1	1771.2	1767.7
32.5°	1750.6	1752.3	1739.2	1730.1	1726.7
35°	1703.8	1703.8	1693.6	1683.9	1678.2
37.5°	1650.2	1650.2	1640.5	1630.8	1624.0
40°	1589.2	1589.8	1579.5	1567.5	1561.8
42.5°	1520.7	1521.9	1508.2	1498.5	1492.2
45°	1446.0	1446.6	1431.8	1420.9	1415.8
47.5°	1365.0	1363.9	1347.3	1338.2	1333.1
50°	1278.3	1276.0	1257.8	1249.2	1244.7
52.5°	1187.6	1183.1	1167.1	1154.5	1150.5
55°	1093.5	1087.2	1067.3	1054.7	1053.6
57.5°	995.4	988.0	971.4	959.4	954.9
60°	888.1	886.4	872.7	858.5	855.1
62.5°	787.7	782.6	770.6	753.5	751.8
65°	680.5	677.7	666.8	650.8	647.4
67.5°	569.8	572.7	563.6	549.3	544.8
70°	470.0	471.7	461.5	448.3	446.6
72.5°	369.6	372.5	363.9	355.4	353.7
75°	277.8	278.9	274.9	267.5	261.8
77.5°	197.4	201.4	196.8	191.7	187.1
80°	137.5	131.2	131.8	129.5	124.4
82.5°	82.7	79.9	79.3	77.0	74.7
85°	41.6	41.1	41.6	41.1	38.8
87.5°	13.7	14.8	15.4	15.4	14.3
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)