

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: P412685

Luminaire Tested: **14PD-55-PP3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412685
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-L950
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

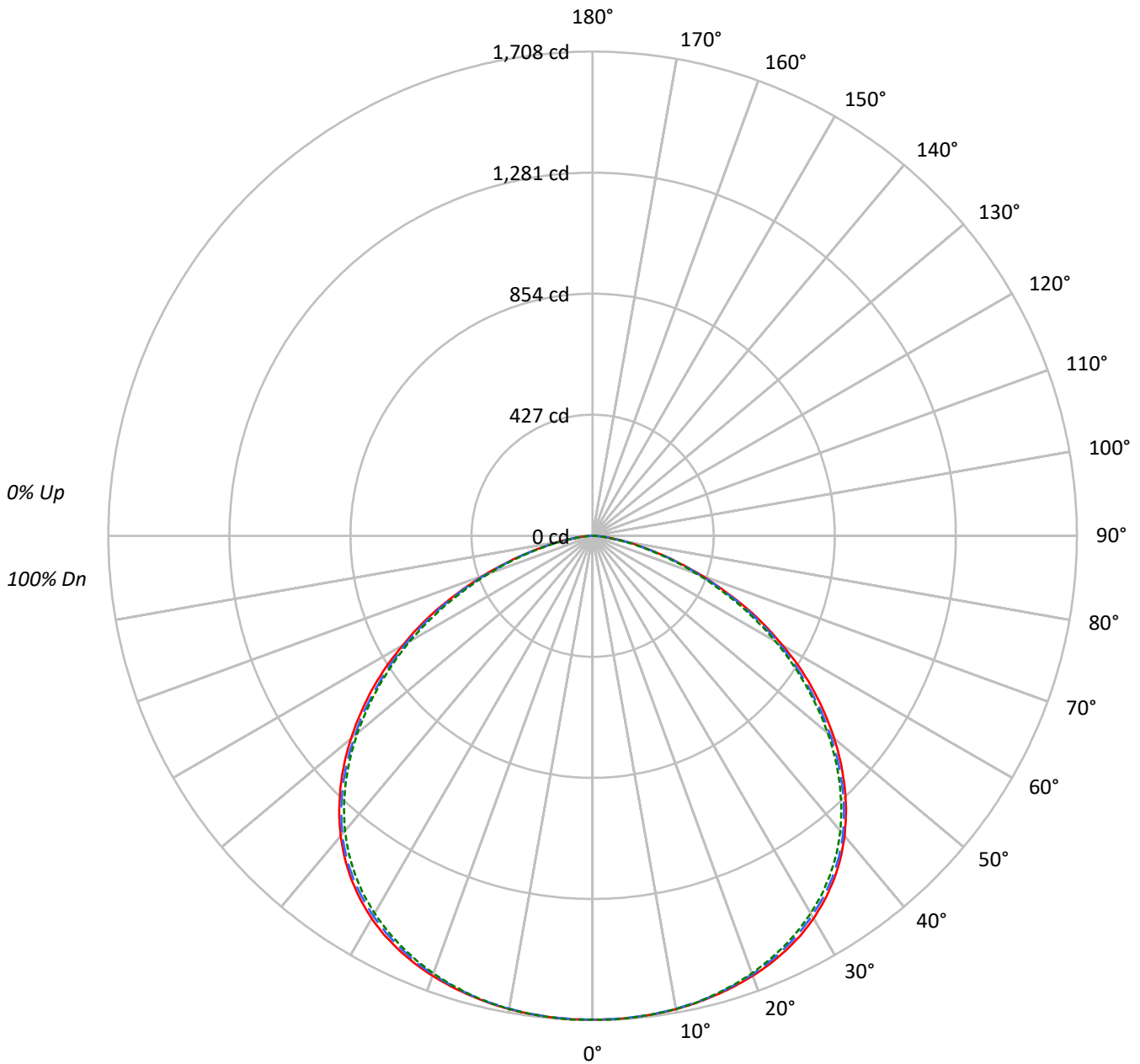
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4966.0 lumens
Efficiency: N/A
Efficacy: 91.8 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: P412685
CATALOG NUMBER: 14PD-55-PP3-L950

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°	4593	4593	4593
5°	4605	4603	4606
10°	4634	4628	4632
15°	4674	4668	4665
20°	4731	4715	4704
25°	4790	4765	4743
30°	4844	4810	4779
35°	4870	4840	4796
40°	4857	4827	4773
45°	4787	4740	4687
50°	4656	4581	4533
55°	4463	4356	4300
60°	4159	4087	4004
65°	3769	3694	3587
70°	3217	3159	3057
75°	2513	2487	2368
80°	1853	1776	1677
85°	1118	1118	1041



TEST NUMBER: P412685

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	3.3
10°-20°	473.8	9.5
20°-30°	740.6	14.9
30°-40°	920.4	18.5
40°-50°	959.0	19.3
50°-60°	832.1	16.8
60°-70°	572.2	11.5
70°-80°	258.2	5.2
80°-90°	47.3	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°	1376.8	27.7
0°-40°	2297.2	46.3
0°-60°	4088.3	82.3
0°-90°	4966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4966.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1707	1707	1707	1707	1707	
5°	1705	1705	1704	1703	1705	162
15°	1678	1678	1675	1674	1674	475
25°	1613	1613	1605	1598	1598	744
35°	1482	1482	1473	1465	1460	926
45°	1258	1258	1246	1236	1232	968
55°	951	946	928	918	917	848
65°	592	590	580	566	563	584
75°	242	243	239	233	228	263
85°	36	36	36	36	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1706.7	1706.7	1706.7	1706.7	1706.7
2.5°	1707.2	1707.2	1706.2	1704.7	1708.2
5°	1704.7	1705.2	1704.2	1702.7	1705.2
7.5°	1701.2	1701.7	1700.2	1698.7	1700.7
10°	1695.8	1695.3	1693.8	1692.8	1695.3
12.5°	1687.8	1687.3	1685.8	1684.8	1686.8
15°	1677.9	1677.9	1675.4	1673.9	1674.4
17.5°	1666.0	1666.0	1662.5	1659.0	1660.0
20°	1652.1	1651.6	1646.6	1643.1	1642.7
22.5°	1634.7	1634.7	1627.8	1623.3	1621.8
25°	1613.4	1612.9	1604.9	1598.5	1597.5
27.5°	1589.1	1588.1	1578.6	1572.2	1569.7
30°	1558.8	1557.8	1547.9	1540.9	1537.9
32.5°	1523.0	1524.5	1513.1	1505.2	1502.2
35°	1482.4	1482.4	1473.4	1465.0	1460.0
37.5°	1435.7	1435.7	1427.3	1418.8	1412.9
40°	1382.6	1383.1	1374.2	1363.7	1358.8
42.5°	1323.1	1324.0	1312.1	1303.7	1298.2
45°	1258.0	1258.5	1245.6	1236.2	1231.7
47.5°	1187.6	1186.6	1172.2	1164.2	1159.8
50°	1112.1	1110.2	1094.3	1086.8	1082.9
52.5°	1033.2	1029.3	1015.4	1004.4	1001.0
55°	951.3	945.9	928.5	917.6	916.6
57.5°	866.0	859.5	845.1	834.7	830.8
60°	772.7	771.2	759.3	746.9	743.9
62.5°	685.3	680.9	670.5	655.6	654.1
65°	592.0	589.6	580.1	566.2	563.3
67.5°	495.8	498.3	490.3	477.9	473.9
70°	408.9	410.4	401.5	390.1	388.6
72.5°	321.6	324.1	316.6	309.2	307.7
75°	241.7	242.7	239.2	232.8	227.8
77.5°	171.7	175.2	171.2	166.7	162.8
80°	119.6	114.1	114.6	112.7	108.2
82.5°	72.0	69.5	69.0	67.0	65.0
85°	36.2	35.7	36.2	35.7	33.7
87.5°	11.9	12.9	13.4	13.4	12.4
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)