

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: P412682

Luminaire Tested: **14PD-55-PP3-L930**

Issue Date: 9/15/2020



**Test Information**

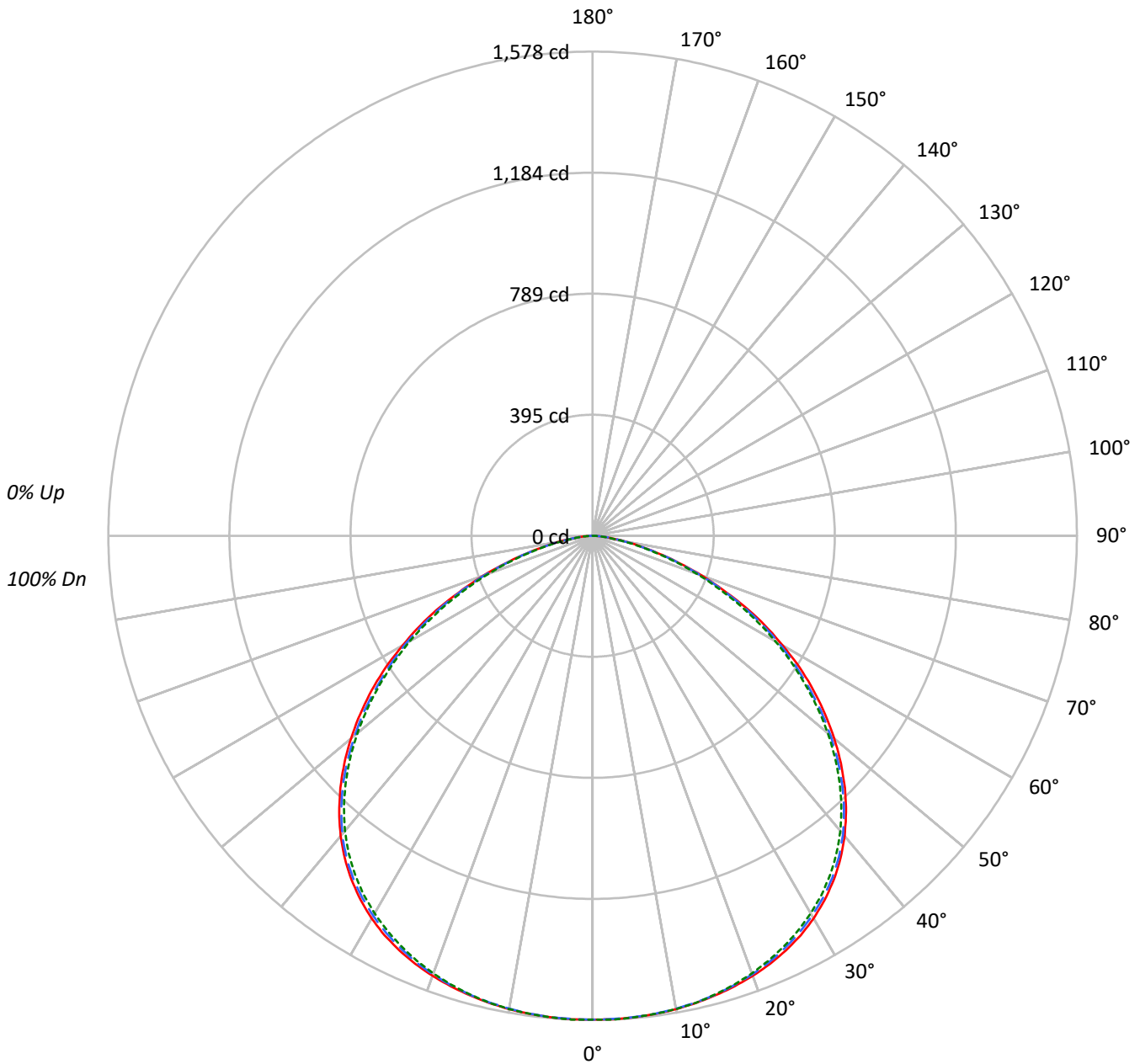
Test Method: LM-79-08  
Report Number: P412682  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PP3-L930  
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4588.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 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<sub>in</sub>): 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: P412682  
CATALOG NUMBER: 14PD-55-PP3-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P412682

CATALOG NUMBER: 14PD-55-PP3-L930

**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°	4243	4243	4243
5°	4254	4253	4256
10°	4281	4276	4280
15°	4319	4312	4310
20°	4371	4357	4346
25°	4426	4403	4382
30°	4475	4443	4415
35°	4499	4472	4431
40°	4487	4460	4410
45°	4423	4380	4331
50°	4302	4232	4188
55°	4123	4024	3973
60°	3842	3775	3699
65°	3483	3413	3314
70°	2972	2918	2825
75°	2322	2298	2188
80°	1712	1641	1550
85°	1034	1034	963



TEST NUMBER: P412682

CATALOG NUMBER: 14PD-55-PP3-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.0	3.3
10°-20°	437.7	9.5
20°-30°	684.2	14.9
30°-40°	850.3	18.5
40°-50°	886.0	19.3
50°-60°	768.8	16.8
60°-70°	528.6	11.5
70°-80°	238.6	5.2
80°-90°	43.7	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°	1272.0	27.7
0°-40°	2122.3	46.3
0°-60°	3777.1	82.3
0°-90°	4588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4588.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1577	1577	1577	1577	1577	
5°	1575	1575	1574	1573	1575	150
15°	1550	1550	1548	1546	1547	438
25°	1491	1490	1483	1477	1476	688
35°	1370	1370	1361	1354	1349	856
45°	1162	1163	1151	1142	1138	895
55°	879	874	858	848	847	783
65°	547	545	536	523	520	540
75°	223	224	221	215	210	243
85°	34	33	34	33	31	45
90°	0	0	0	0	0	



TEST NUMBER: P412682

CATALOG NUMBER: 14PD-55-PP3-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1576.8	1576.8	1576.8	1576.8	1576.8
2.5°	1577.2	1577.2	1576.3	1574.9	1578.1
5°	1574.9	1575.4	1574.5	1573.1	1575.4
7.5°	1571.7	1572.2	1570.8	1569.4	1571.3
10°	1566.7	1566.2	1564.8	1563.9	1566.2
12.5°	1559.3	1558.9	1557.5	1556.6	1558.4
15°	1550.2	1550.2	1547.9	1546.5	1547.0
17.5°	1539.2	1539.2	1536.0	1532.7	1533.7
20°	1526.3	1525.9	1521.3	1518.1	1517.6
22.5°	1510.3	1510.3	1503.9	1499.7	1498.4
25°	1490.6	1490.1	1482.8	1476.8	1475.9
27.5°	1468.1	1467.2	1458.5	1452.5	1450.2
30°	1440.1	1439.2	1430.0	1423.6	1420.9
32.5°	1407.1	1408.5	1397.9	1390.6	1387.9
35°	1369.5	1369.5	1361.3	1353.5	1348.9
37.5°	1326.4	1326.4	1318.6	1310.8	1305.3
40°	1277.4	1277.8	1269.6	1259.9	1255.4
42.5°	1222.3	1223.3	1212.3	1204.5	1199.4
45°	1162.3	1162.7	1150.8	1142.1	1138.0
47.5°	1097.2	1096.3	1083.0	1075.6	1071.5
50°	1027.5	1025.7	1011.0	1004.1	1000.4
52.5°	954.6	950.9	938.1	928.0	924.8
55°	878.9	873.9	857.8	847.8	846.8
57.5°	800.1	794.1	780.8	771.2	767.5
60°	713.9	712.5	701.5	690.0	687.3
62.5°	633.2	629.1	619.4	605.7	604.3
65°	547.0	544.7	536.0	523.1	520.4
67.5°	458.0	460.3	453.0	441.5	437.9
70°	377.8	379.2	370.9	360.4	359.0
72.5°	297.1	299.4	292.5	285.6	284.3
75°	223.3	224.2	221.0	215.0	210.4
77.5°	158.6	161.8	158.2	154.1	150.4
80°	110.5	105.5	105.9	104.1	100.0
82.5°	66.5	64.2	63.7	61.9	60.1
85°	33.5	33.0	33.5	33.0	31.2
87.5°	11.0	11.9	12.4	12.4	11.5
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)