

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: P412681

Luminaire Tested: **14PD-55-PP3-L927**

Issue Date: 9/15/2020



**Test Information**

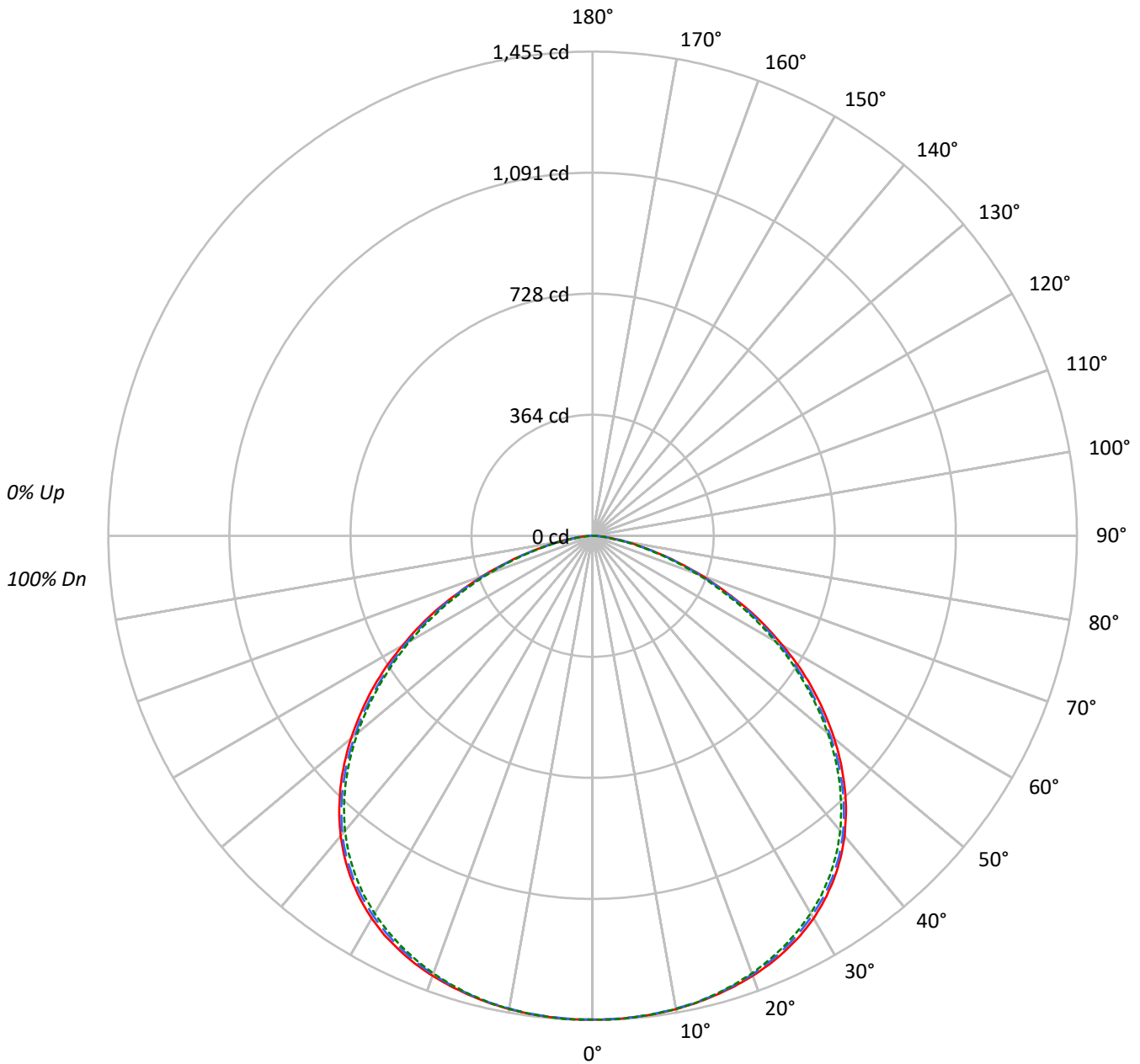
Test Method: LM-79-08  
Report Number: P412681  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PP3-L927  
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4230.0 lumens  
Efficiency: N/A  
Efficacy: 78.2 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<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: P412681  
CATALOG NUMBER: 14PD-55-PP3-L927

### Luminous Intensity Polar Plot





TEST NUMBER: P412681

CATALOG NUMBER: 14PD-55-PP3-L927

**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°	3912	3912	3912
5°	3922	3921	3924
10°	3947	3942	3946
15°	3982	3976	3974
20°	4030	4017	4007
25°	4081	4059	4040
30°	4126	4097	4071
35°	4148	4123	4085
40°	4137	4112	4066
45°	4078	4038	3993
50°	3966	3902	3862
55°	3802	3711	3663
60°	3542	3481	3411
65°	3211	3147	3055
70°	2740	2691	2604
75°	2141	2119	2017
80°	1579	1512	1429
85°	954	954	886



TEST NUMBER: P412681

CATALOG NUMBER: 14PD-55-PP3-L927

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.3	3.3
10°-20°	403.6	9.5
20°-30°	630.8	14.9
30°-40°	784.0	18.5
40°-50°	816.9	19.3
50°-60°	708.8	16.8
60°-70°	487.4	11.5
70°-80°	220.0	5.2
80°-90°	40.3	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°	1172.7	27.7
0°-40°	1956.7	46.3
0°-60°	3482.4	82.3
0°-90°	4230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4230.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1454	1454	1454	1454	1454	
5°	1452	1452	1452	1450	1452	138
15°	1429	1429	1427	1426	1426	404
25°	1374	1374	1367	1362	1361	634
35°	1263	1263	1255	1248	1244	789
45°	1072	1072	1061	1053	1049	825
55°	810	806	791	782	781	722
65°	504	502	494	482	480	498
75°	206	207	204	198	194	224
85°	31	30	31	30	29	42
90°	0	0	0	0	0	



TEST NUMBER: P412681

CATALOG NUMBER: 14PD-55-PP3-L927

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1453.7	1453.7	1453.7	1453.7	1453.7
2.5°	1454.2	1454.2	1453.3	1452.0	1455.0
5°	1452.0	1452.5	1451.6	1450.3	1452.5
7.5°	1449.1	1449.5	1448.2	1447.0	1448.7
10°	1444.4	1444.0	1442.7	1441.9	1444.0
12.5°	1437.7	1437.2	1436.0	1435.1	1436.8
15°	1429.2	1429.2	1427.1	1425.8	1426.3
17.5°	1419.1	1419.1	1416.1	1413.1	1414.0
20°	1407.2	1406.8	1402.6	1399.6	1399.2
22.5°	1392.4	1392.4	1386.5	1382.7	1381.4
25°	1374.3	1373.8	1367.1	1361.6	1360.7
27.5°	1353.5	1352.7	1344.7	1339.2	1337.1
30°	1327.8	1326.9	1318.5	1312.5	1310.0
32.5°	1297.3	1298.6	1288.9	1282.1	1279.6
35°	1262.7	1262.7	1255.1	1247.9	1243.6
37.5°	1222.9	1222.9	1215.7	1208.6	1203.5
40°	1177.7	1178.1	1170.5	1161.6	1157.4
42.5°	1127.0	1127.8	1117.7	1110.5	1105.8
45°	1071.6	1072.0	1061.0	1053.0	1049.2
47.5°	1011.6	1010.7	998.5	991.7	987.9
50°	947.3	945.6	932.1	925.8	922.4
52.5°	880.1	876.7	864.9	855.6	852.6
55°	810.4	805.7	790.9	781.6	780.8
57.5°	737.6	732.1	719.9	711.0	707.6
60°	658.2	656.9	646.8	636.2	633.7
62.5°	583.8	580.0	571.1	558.4	557.1
65°	504.3	502.2	494.2	482.3	479.8
67.5°	422.3	424.4	417.6	407.1	403.7
70°	348.3	349.6	342.0	332.3	331.0
72.5°	273.9	276.0	269.7	263.4	262.1
75°	205.9	206.7	203.8	198.3	194.0
77.5°	146.3	149.2	145.8	142.0	138.7
80°	101.9	97.2	97.6	96.0	92.2
82.5°	61.3	59.2	58.8	57.1	55.4
85°	30.9	30.4	30.9	30.4	28.7
87.5°	10.1	11.0	11.4	11.4	10.6
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)