

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: P412991

Luminaire Tested: **14PD-35-PC3-L950**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412991  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-35-PC3-L950  
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

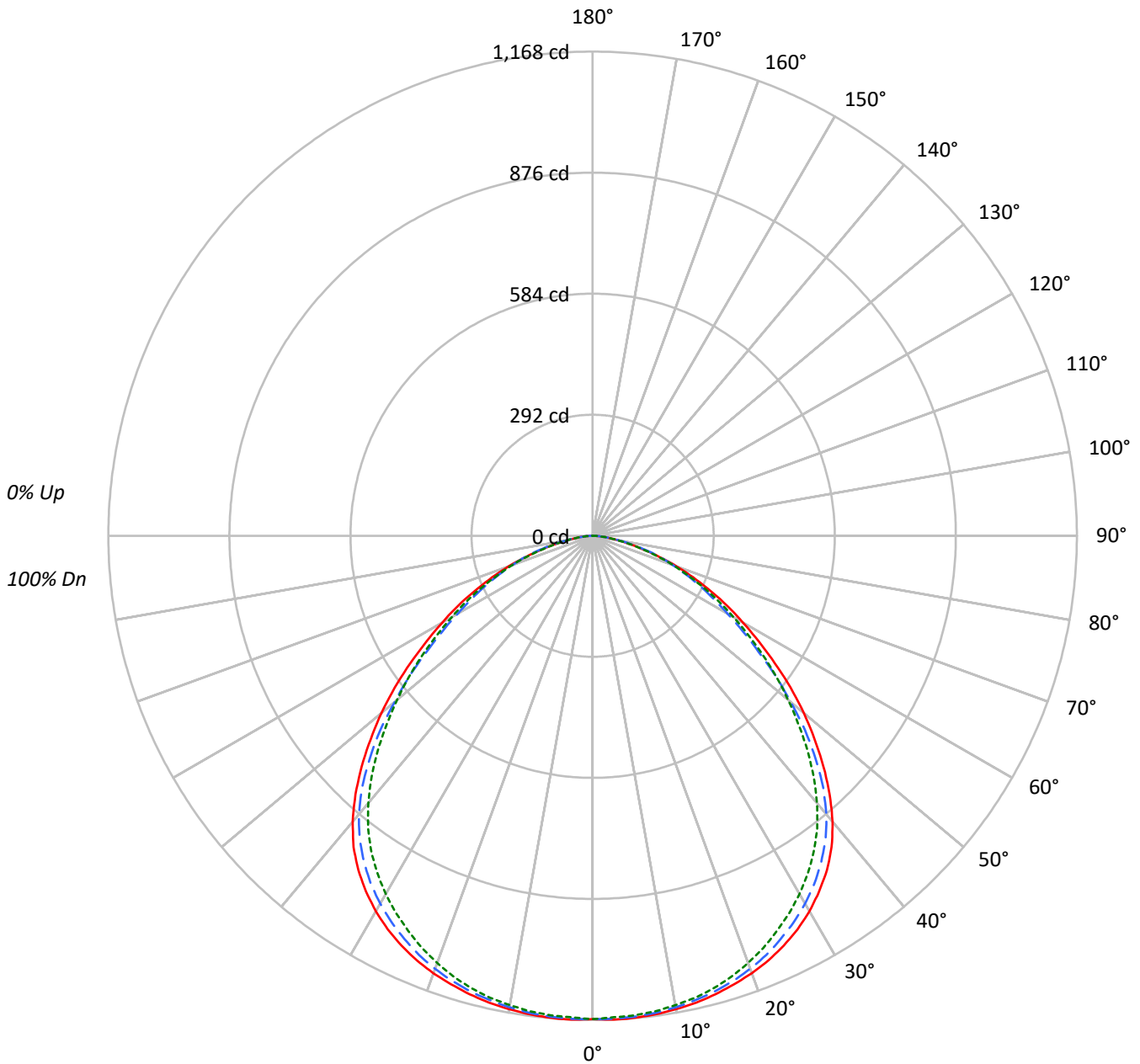
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3013.0 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.8  
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: P412991

CATALOG NUMBER: 14PD-35-PC3-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P412991

CATALOG NUMBER: 14PD-35-PC3-L950

**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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3137	3137	3137
5°	3153	3145	3137
10°	3169	3156	3141
15°	3190	3170	3147
20°	3216	3183	3140
25°	3239	3187	3123
30°	3250	3184	3101
35°	3236	3158	3056
40°	3163	3081	2957
45°	2997	2895	2789
50°	2782	2605	2575
55°	2519	2296	2347
60°	2253	2022	2111
65°	1987	1813	1876
70°	1692	1606	1618
75°	1301	1370	1262
80°	953	1001	945
85°	639	701	685



TEST NUMBER: P412991

CATALOG NUMBER: 14PD-35-PC3-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.8	3.7
10°-20°	321.2	10.7
20°-30°	494.0	16.4
30°-40°	597.7	19.8
40°-50°	583.5	19.4
50°-60°	450.9	15.0
60°-70°	289.6	9.6
70°-80°	136.7	4.5
80°-90°	28.7	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°	925.9	30.7
0°-40°	1523.6	50.6
0°-60°	2558.1	84.9
0°-90°	3013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3013.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1167	1162	1164	1163	1161	111
15°	1145	1140	1138	1134	1130	324
25°	1091	1082	1073	1059	1052	503
35°	985	975	961	940	930	614
45°	788	778	761	741	733	606
55°	537	511	489	490	500	481
65°	312	294	285	282	295	311
75°	125	127	132	121	121	137
85°	21	24	23	22	22	27
90°	0	0	0	0	0	



TEST NUMBER: P412991

CATALOG NUMBER: 14PD-35-PC3-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1165.9	1165.9	1165.9	1165.9	1165.9
2.5°	1168.5	1163.8	1166.4	1166.4	1162.8
5°	1167.4	1162.3	1164.3	1163.3	1161.2
7.5°	1164.3	1159.2	1160.7	1159.7	1157.1
10°	1159.7	1154.0	1155.0	1153.0	1149.4
12.5°	1153.5	1148.3	1147.3	1144.2	1141.6
15°	1145.2	1139.5	1138.0	1133.9	1129.7
17.5°	1134.4	1128.7	1126.1	1119.9	1115.2
20°	1123.0	1116.3	1111.6	1102.3	1096.6
22.5°	1108.5	1100.8	1094.6	1081.7	1076.0
25°	1091.0	1082.2	1073.4	1059.4	1051.7
27.5°	1070.3	1061.0	1050.6	1035.1	1026.4
30°	1046.0	1036.7	1024.8	1007.2	997.9
32.5°	1017.1	1007.8	995.4	975.2	965.9
35°	985.0	974.7	961.2	939.5	930.2
37.5°	946.8	935.4	923.0	899.2	889.4
40°	900.3	890.4	877.0	853.2	841.9
42.5°	846.5	837.7	822.7	800.0	789.2
45°	787.6	777.8	760.7	741.1	732.8
47.5°	726.1	711.6	695.1	678.0	673.4
50°	664.6	646.0	622.2	613.4	615.0
52.5°	601.6	577.8	557.1	550.4	558.1
55°	537.0	511.1	489.4	489.9	500.3
57.5°	475.5	448.6	430.5	430.5	443.9
60°	418.6	393.8	375.7	375.2	392.2
62.5°	365.9	340.6	327.1	327.1	342.6
65°	312.1	293.5	284.8	281.7	294.6
67.5°	262.5	249.6	243.4	239.8	248.1
70°	215.0	206.7	204.1	200.0	205.7
72.5°	168.0	165.9	171.1	161.2	163.8
75°	125.1	127.1	131.8	120.9	121.4
77.5°	89.9	94.1	95.6	90.4	90.4
80°	61.5	66.7	64.6	62.0	61.0
82.5°	39.3	41.9	41.9	40.3	39.3
85°	20.7	23.8	22.7	22.2	22.2
87.5°	7.8	10.9	10.9	10.3	9.8
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)