

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: P413016

Luminaire Tested: **14PD-50-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P413016  
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-50-PC3-L935  
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

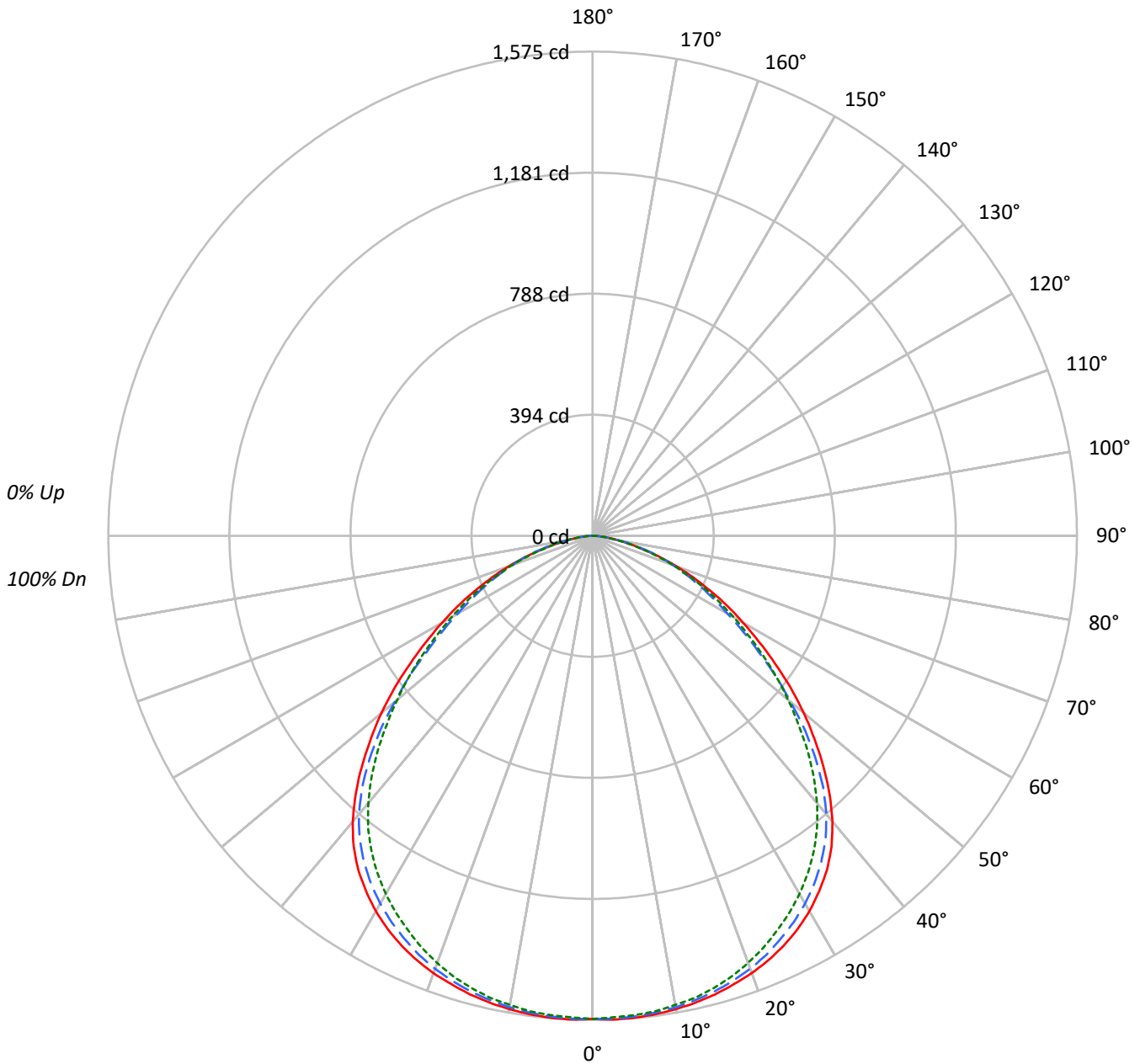
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4062.0 lumens  
Efficiency: N/A  
Efficacy: 83.6 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): 48.6  
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: P413016

CATALOG NUMBER: 14PD-50-PC3-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P413016

CATALOG NUMBER: 14PD-50-PC3-L935

**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°	4230	4230	4230
5°	4252	4240	4229
10°	4272	4255	4234
15°	4301	4274	4243
20°	4336	4292	4234
25°	4367	4297	4210
30°	4382	4293	4181
35°	4363	4257	4120
40°	4264	4153	3987
45°	4041	3903	3760
50°	3751	3512	3471
55°	3396	3096	3164
60°	3037	2726	2846
65°	2679	2444	2528
70°	2280	2165	2182
75°	1753	1848	1702
80°	1285	1350	1274
85°	861	948	926



TEST NUMBER: P413016

CATALOG NUMBER: 14PD-50-PC3-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.3	3.7
10°-20°	433.0	10.7
20°-30°	665.9	16.4
30°-40°	805.8	19.8
40°-50°	786.7	19.4
50°-60°	607.9	15.0
60°-70°	390.4	9.6
70°-80°	184.2	4.5
80°-90°	38.6	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°	1248.3	30.7
0°-40°	2054.1	50.6
0°-60°	3448.7	84.9
0°-90°	4062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4062.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1574	1567	1570	1568	1566	150
15°	1544	1536	1534	1529	1523	436
25°	1471	1459	1447	1428	1418	678
35°	1328	1314	1296	1267	1254	828
45°	1062	1049	1026	999	988	817
55°	724	689	660	660	674	649
65°	421	396	384	380	397	419
75°	169	171	178	163	164	185
85°	28	32	31	30	30	36
90°	0	0	0	0	0	



TEST NUMBER: P413016

CATALOG NUMBER: 14PD-50-PC3-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1571.8	1571.8	1571.8	1571.8	1571.8
2.5°	1575.3	1569.0	1572.5	1572.5	1567.6
5°	1573.9	1566.9	1569.7	1568.3	1565.5
7.5°	1569.7	1562.8	1564.8	1563.5	1560.0
10°	1563.5	1555.8	1557.2	1554.4	1549.5
12.5°	1555.1	1548.1	1546.7	1542.5	1539.1
15°	1543.9	1536.3	1534.2	1528.6	1523.0
17.5°	1529.3	1521.6	1518.2	1509.8	1503.5
20°	1514.0	1504.9	1498.7	1486.1	1478.5
22.5°	1494.5	1484.0	1475.7	1458.2	1450.6
25°	1470.8	1458.9	1447.1	1428.3	1417.8
27.5°	1442.9	1430.4	1416.4	1395.5	1383.7
30°	1410.2	1397.6	1381.6	1357.9	1345.4
32.5°	1371.2	1358.6	1341.9	1314.7	1302.2
35°	1328.0	1314.0	1295.9	1266.6	1254.1
37.5°	1276.4	1261.1	1244.4	1212.3	1199.1
40°	1213.7	1200.5	1182.3	1150.3	1135.0
42.5°	1141.2	1129.4	1109.2	1078.5	1063.9
45°	1061.8	1048.6	1025.6	999.1	988.0
47.5°	978.9	959.4	937.1	914.1	907.8
50°	896.0	870.9	838.9	827.0	829.1
52.5°	811.0	778.9	751.1	742.0	752.5
55°	723.9	689.1	659.8	660.5	674.4
57.5°	641.0	604.8	580.4	580.4	598.5
60°	564.3	530.9	506.5	505.8	528.8
62.5°	493.3	459.1	441.0	441.0	461.9
65°	420.8	395.7	383.9	379.7	397.1
67.5°	353.9	336.5	328.2	323.3	334.4
70°	289.8	278.7	275.2	269.6	277.3
72.5°	226.4	223.6	230.6	217.4	220.9
75°	168.6	171.4	177.7	163.0	163.7
77.5°	121.2	126.8	128.9	121.9	121.9
80°	82.9	89.9	87.1	83.6	82.2
82.5°	53.0	56.4	56.4	54.3	53.0
85°	27.9	32.0	30.7	30.0	30.0
87.5°	10.5	14.6	14.6	13.9	13.2
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)