

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: P412998

Luminaire Tested: **14PD-40-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412998  
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-40-PC3-L935  
Description: 4000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

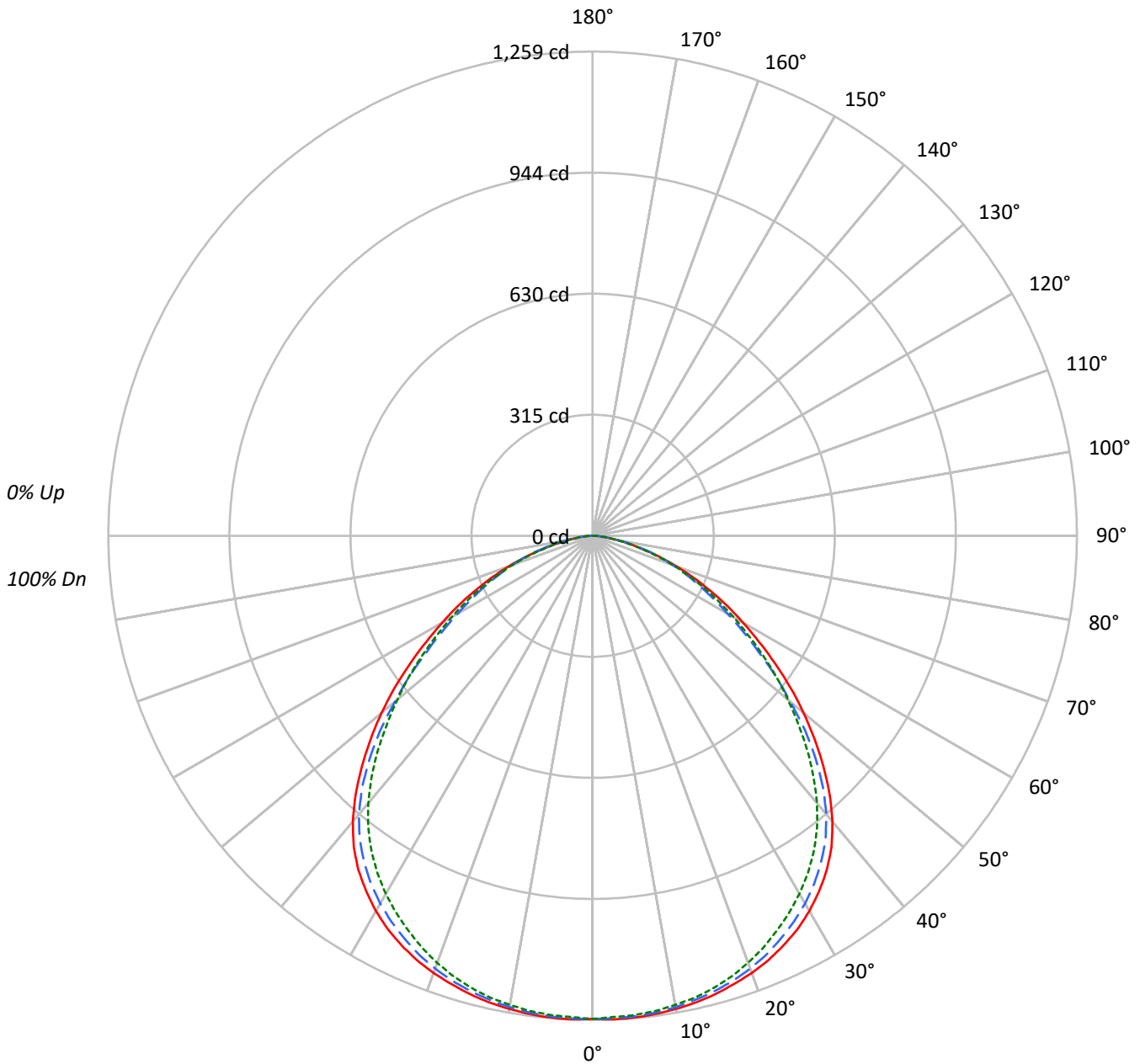
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3246.0 lumens  
Efficiency: N/A  
Efficacy: 85.9 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): 37.8  
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

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### 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	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°	3380	3380	3380
5°	3397	3388	3379
10°	3414	3400	3383
15°	3437	3416	3391
20°	3464	3430	3383
25°	3490	3434	3364
30°	3502	3431	3341
35°	3486	3402	3292
40°	3407	3319	3186
45°	3229	3119	3005
50°	2997	2806	2774
55°	2714	2474	2528
60°	2427	2179	2274
65°	2141	1954	2021
70°	1822	1730	1744
75°	1400	1476	1360
80°	1027	1079	1018
85°	689	756	738



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.3	3.7
10°-20°	346.0	10.7
20°-30°	532.2	16.4
30°-40°	643.9	19.8
40°-50°	628.7	19.4
50°-60°	485.8	15.0
60°-70°	312.0	9.6
70°-80°	147.2	4.5
80°-90°	30.9	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°	997.5	30.7
0°-40°	1641.5	50.6
0°-60°	2755.9	84.9
0°-90°	3246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3246.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1256	1256	1256	1256	1256	
5°	1258	1252	1254	1253	1251	120
15°	1234	1228	1226	1222	1217	349
25°	1175	1166	1156	1141	1133	542
35°	1061	1050	1036	1012	1002	662
45°	848	838	820	798	790	653
55°	578	551	527	528	539	519
65°	336	316	307	303	317	335
75°	135	137	142	130	131	148
85°	22	26	24	24	24	29
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1256.1	1256.1	1256.1	1256.1	1256.1
2.5°	1258.8	1253.8	1256.6	1256.6	1252.7
5°	1257.7	1252.2	1254.4	1253.3	1251.0
7.5°	1254.4	1248.8	1250.5	1249.4	1246.6
10°	1249.4	1243.3	1244.4	1242.1	1238.2
12.5°	1242.7	1237.1	1236.0	1232.7	1229.9
15°	1233.8	1227.7	1226.0	1221.5	1217.1
17.5°	1222.1	1216.0	1213.2	1206.5	1201.5
20°	1209.8	1202.6	1197.6	1187.6	1181.5
22.5°	1194.3	1185.9	1179.2	1165.3	1159.2
25°	1175.3	1165.9	1156.4	1141.4	1133.0
27.5°	1153.1	1143.0	1131.9	1115.2	1105.7
30°	1126.9	1116.9	1104.1	1085.1	1075.1
32.5°	1095.7	1085.7	1072.3	1050.6	1040.6
35°	1061.2	1050.1	1035.6	1012.2	1002.2
37.5°	1020.0	1007.7	994.4	968.8	958.2
40°	969.9	959.3	944.8	919.2	907.0
42.5°	912.0	902.5	886.4	861.9	850.2
45°	848.5	837.9	819.6	798.4	789.5
47.5°	782.3	766.7	748.8	730.5	725.5
50°	716.0	696.0	670.3	660.9	662.5
52.5°	648.1	622.5	600.2	593.0	601.3
55°	578.5	550.6	527.3	527.8	538.9
57.5°	512.2	483.3	463.8	463.8	478.3
60°	451.0	424.3	404.8	404.2	422.6
62.5°	394.2	366.9	352.4	352.4	369.1
65°	336.3	316.2	306.8	303.4	317.4
67.5°	282.8	268.9	262.2	258.3	267.2
70°	231.6	222.7	219.9	215.5	221.6
72.5°	180.9	178.7	184.3	173.7	176.5
75°	134.7	137.0	142.0	130.3	130.8
77.5°	96.9	101.3	103.0	97.4	97.4
80°	66.3	71.8	69.6	66.8	65.7
82.5°	42.3	45.1	45.1	43.4	42.3
85°	22.3	25.6	24.5	23.9	23.9
87.5°	8.4	11.7	11.7	11.1	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)