

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: P412985

Luminaire Tested: **14PD-35-PC3-L840**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412985  
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-L840  
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

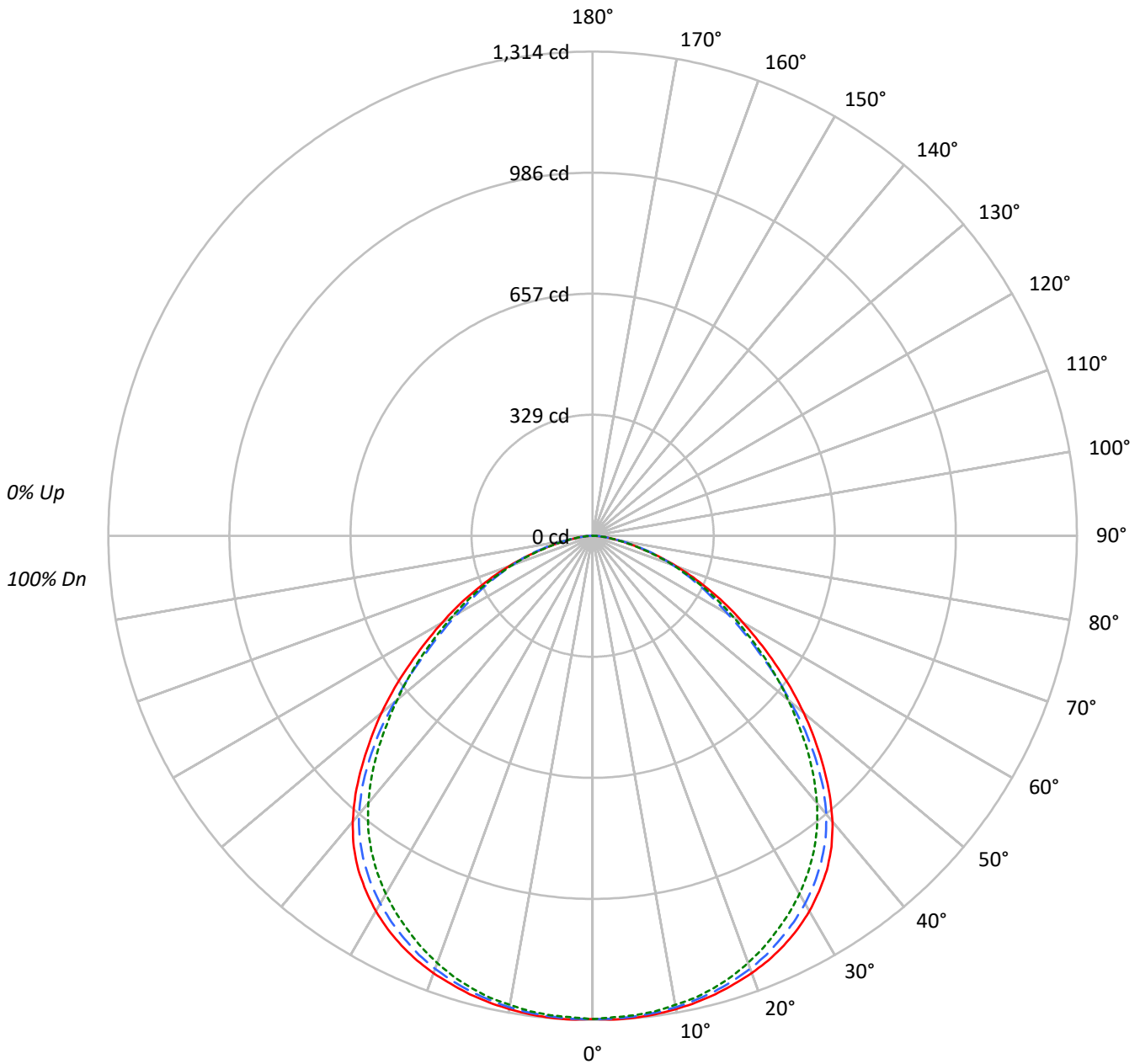
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3389.0 lumens  
Efficiency: N/A  
Efficacy: 106.6 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): 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

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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°	3529	3529	3529
5°	3547	3538	3528
10°	3564	3550	3533
15°	3589	3566	3540
20°	3617	3581	3532
25°	3643	3585	3512
30°	3656	3582	3488
35°	3640	3552	3437
40°	3557	3465	3326
45°	3371	3256	3137
50°	3129	2930	2896
55°	2834	2583	2640
60°	2534	2274	2375
65°	2236	2039	2110
70°	1902	1806	1821
75°	1463	1541	1420
80°	1072	1127	1063
85°	719	790	772



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.6	3.7
10°-20°	361.3	10.7
20°-30°	555.6	16.4
30°-40°	672.3	19.8
40°-50°	656.4	19.4
50°-60°	507.2	15.0
60°-70°	325.7	9.6
70°-80°	153.7	4.5
80°-90°	32.2	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°	1041.5	30.7
0°-40°	1713.8	50.6
0°-60°	2877.3	84.9
0°-90°	3389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3389.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1313	1307	1310	1308	1306	125
15°	1288	1282	1280	1275	1271	364
25°	1227	1217	1207	1192	1183	566
35°	1108	1096	1081	1057	1046	691
45°	886	875	856	834	824	682
55°	604	575	550	551	563	541
65°	351	330	320	317	331	350
75°	141	143	148	136	137	154
85°	23	27	26	25	25	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1311.4	1311.4	1311.4	1311.4	1311.4
2.5°	1314.3	1309.1	1312.0	1312.0	1307.9
5°	1313.1	1307.3	1309.6	1308.5	1306.2
7.5°	1309.6	1303.8	1305.6	1304.4	1301.5
10°	1304.4	1298.0	1299.2	1296.9	1292.8
12.5°	1297.4	1291.6	1290.5	1287.0	1284.1
15°	1288.1	1281.7	1280.0	1275.4	1270.7
17.5°	1275.9	1269.5	1266.6	1259.7	1254.4
20°	1263.1	1255.6	1250.4	1239.9	1233.5
22.5°	1246.9	1238.1	1231.2	1216.6	1210.2
25°	1227.1	1217.2	1207.3	1191.6	1182.9
27.5°	1203.9	1193.4	1181.8	1164.3	1154.4
30°	1176.5	1166.1	1152.7	1132.9	1122.5
32.5°	1144.0	1133.5	1119.6	1096.9	1086.4
35°	1107.9	1096.3	1081.2	1056.8	1046.3
37.5°	1064.9	1052.1	1038.2	1011.4	1000.4
40°	1012.6	1001.6	986.4	959.7	946.9
42.5°	952.2	942.3	925.4	899.8	887.6
45°	885.9	874.8	855.7	833.6	824.3
47.5°	816.7	800.4	781.8	762.7	757.4
50°	747.5	726.6	699.9	690.0	691.7
52.5°	676.6	649.9	626.6	619.1	627.8
55°	604.0	574.9	550.5	551.1	562.7
57.5°	534.8	504.6	484.2	484.2	499.3
60°	470.8	442.9	422.6	422.0	441.2
62.5°	411.6	383.1	368.0	368.0	385.4
65°	351.1	330.2	320.3	316.8	331.3
67.5°	295.3	280.8	273.8	269.7	279.0
70°	241.8	232.5	229.6	225.0	231.4
72.5°	188.9	186.6	192.4	181.4	184.3
75°	140.7	143.0	148.2	136.0	136.6
77.5°	101.1	105.8	107.5	101.7	101.7
80°	69.2	75.0	72.7	69.8	68.6
82.5°	44.2	47.1	47.1	45.3	44.2
85°	23.3	26.7	25.6	25.0	25.0
87.5°	8.7	12.2	12.2	11.6	11.0
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)