

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: P412299

Luminaire Tested: **14PD-35-PB1-L830**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-35-PB1-L830  
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

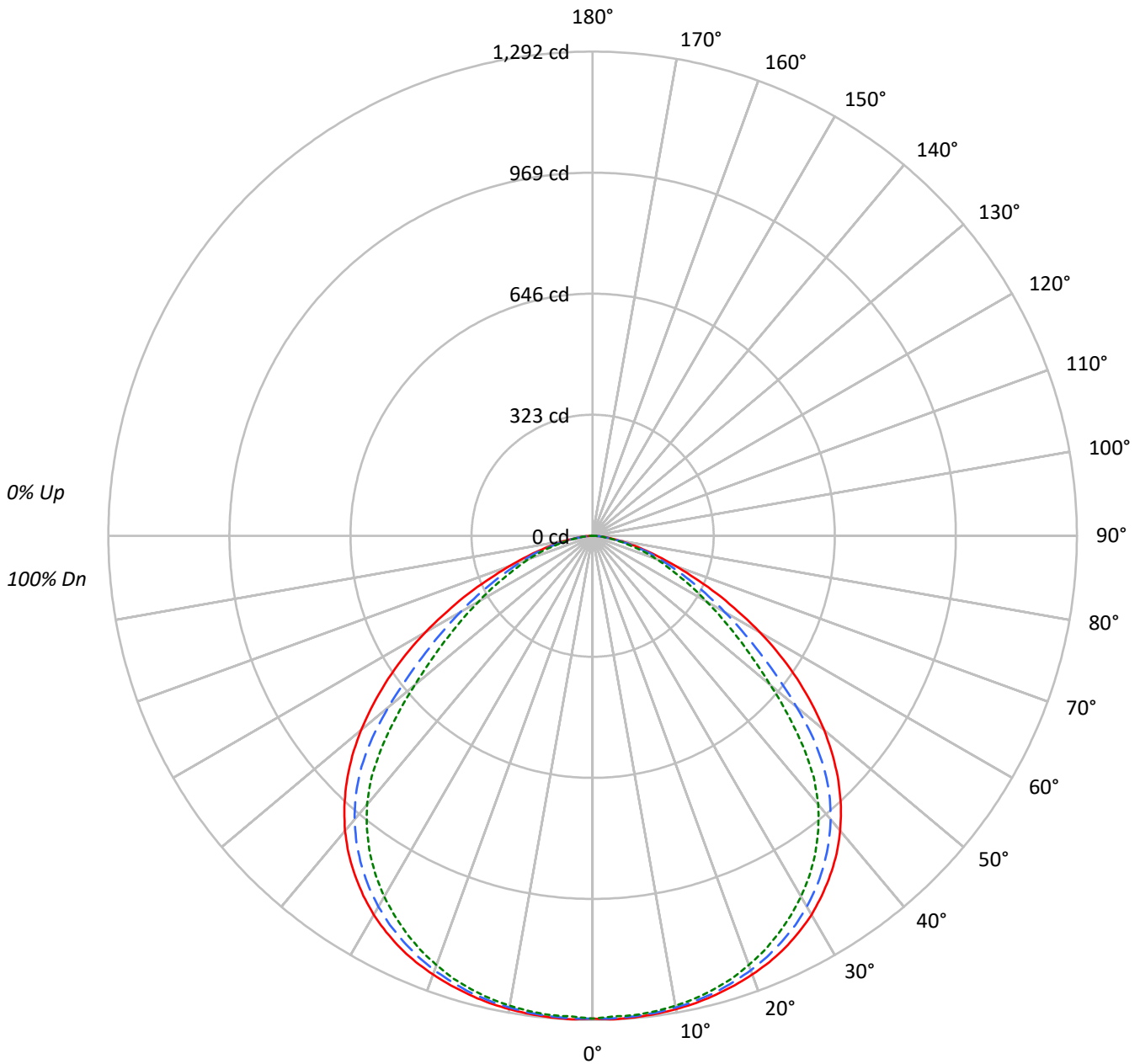
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3321.0 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38  
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: P412299

CATALOG NUMBER: 14PD-35-PB1-L830

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					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	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86								
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74								
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63								
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55								
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48								
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42								
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37								
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33								
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30								
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27								

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

	0°	45°	90°
0°	3467	3467	3467
5°	3485	3477	3468
10°	3505	3493	3480
15°	3534	3516	3489
20°	3568	3533	3491
25°	3605	3547	3480
30°	3628	3551	3455
35°	3631	3532	3401
40°	3610	3471	3289
45°	3532	3320	3020
50°	3375	2974	2588
55°	3126	2549	2210
60°	2776	2189	1889
65°	2330	1867	1617
70°	1847	1587	1426
75°	1444	1294	1134
80°	1075	965	871
85°	713	630	577



TEST NUMBER: P412299

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.5	3.7
10°-20°	356.0	10.7
20°-30°	549.8	16.6
30°-40°	669.1	20.1
40°-50°	662.1	19.9
50°-60°	498.9	15.0
60°-70°	299.8	9.0
70°-80°	135.1	4.1
80°-90°	27.7	0.8
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°	1028.3	31.0
0°-40°	1697.4	51.1
0°-60°	2858.4	86.1
0°-90°	3321.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3321.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1288	1288	1288	1288	1288	
5°	1290	1285	1287	1286	1284	123
15°	1268	1262	1262	1257	1252	359
25°	1214	1205	1195	1179	1172	560
35°	1105	1093	1075	1049	1035	691
45°	928	912	872	819	794	713
55°	666	619	543	490	471	593
65°	366	332	293	262	254	364
75°	139	132	124	113	109	151
85°	23	24	20	19	19	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1288.4	1288.4	1288.4	1288.4	1288.4
2.5°	1291.7	1286.1	1288.9	1288.4	1283.9
5°	1290.0	1285.0	1287.2	1286.1	1283.9
7.5°	1287.2	1282.3	1283.9	1282.3	1280.1
10°	1282.8	1277.3	1278.4	1275.1	1273.5
12.5°	1276.8	1270.2	1271.3	1266.9	1264.7
15°	1268.5	1262.5	1261.9	1256.9	1252.5
17.5°	1258.0	1252.0	1248.7	1243.2	1238.2
20°	1245.9	1238.2	1233.8	1223.9	1218.9
22.5°	1231.6	1223.3	1216.2	1202.4	1197.4
25°	1214.0	1204.6	1194.7	1178.7	1172.1
27.5°	1192.5	1182.6	1171.0	1153.3	1143.4
30°	1167.7	1157.2	1142.9	1122.5	1112.0
32.5°	1138.5	1126.9	1111.5	1087.2	1076.2
35°	1105.4	1093.3	1075.1	1048.6	1035.4
37.5°	1069.6	1055.8	1034.3	1002.4	989.1
40°	1027.7	1013.9	988.0	951.1	936.2
42.5°	980.3	966.5	935.1	891.0	872.9
45°	928.0	912.0	872.3	818.9	793.5
47.5°	869.6	849.2	797.4	731.8	706.4
50°	806.2	779.2	710.3	643.1	618.3
52.5°	737.3	703.1	623.8	563.7	540.0
55°	666.2	619.4	543.3	490.4	471.1
57.5°	592.4	536.2	472.8	426.5	408.3
60°	515.8	461.2	406.7	364.2	351.0
62.5°	437.5	392.9	347.7	308.6	301.4
65°	365.9	331.7	293.2	262.3	254.0
67.5°	293.7	274.4	244.7	223.7	214.4
70°	234.7	222.1	201.7	184.6	181.3
72.5°	183.5	175.2	167.5	152.6	146.6
75°	138.9	131.7	124.5	113.0	109.1
77.5°	100.3	97.5	91.5	83.8	82.1
80°	69.4	69.4	62.3	57.9	56.2
82.5°	43.0	46.8	39.1	36.4	34.7
85°	23.1	23.7	20.4	19.3	18.7
87.5°	8.8	9.9	9.4	7.7	7.7
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)