

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: P412644

Luminaire Tested: **14PD-35-PP3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-35-PP3-L850
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

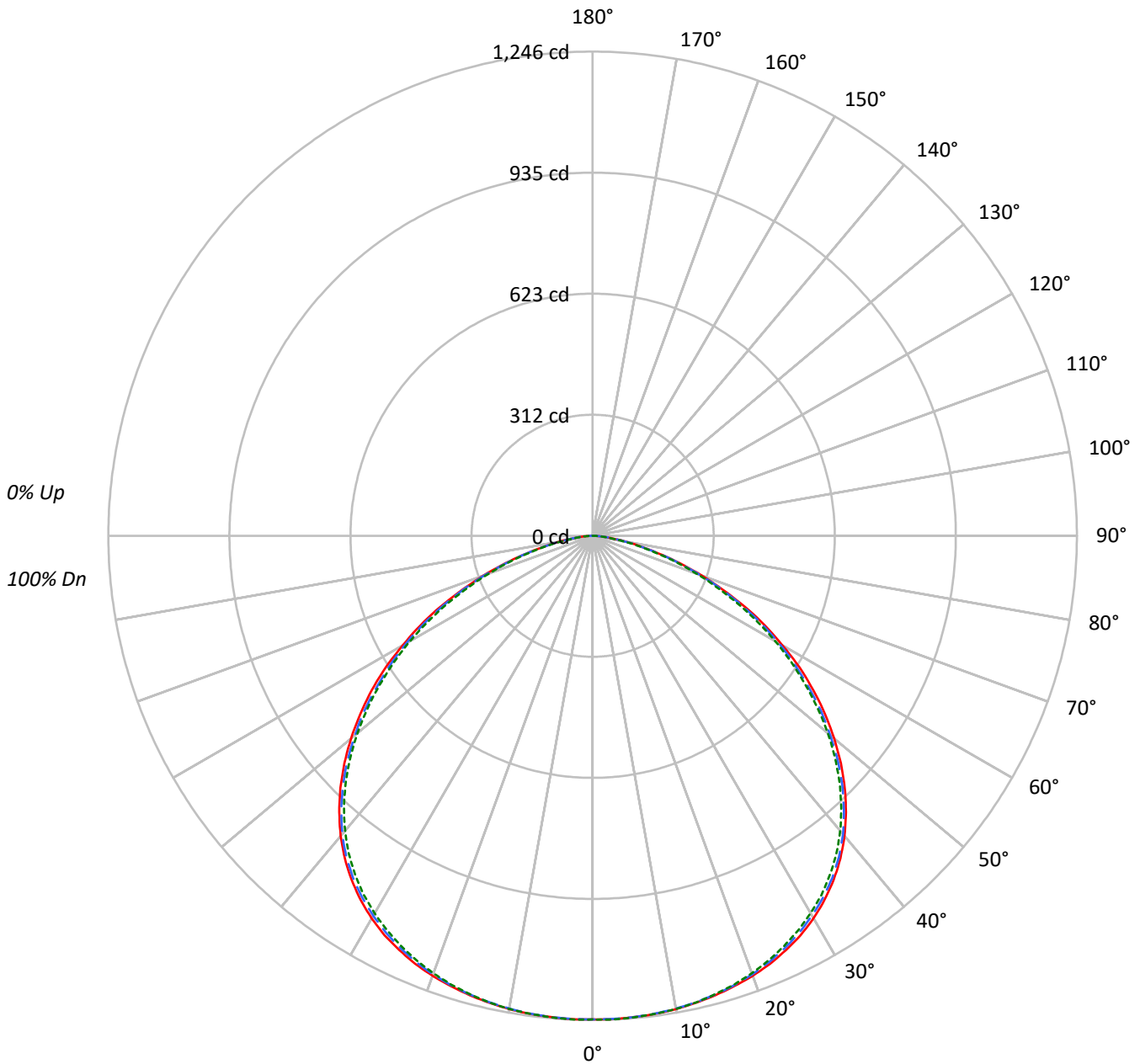
Lumens per Lamp: N/A
Luminaire Lumens: 3622.0 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
Input Voltage (V): NR
Input Current (A_{in}): 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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3350	3350	3350
5°	3358	3358	3360
10°	3380	3376	3379
15°	3409	3404	3402
20°	3451	3439	3431
25°	3494	3476	3459
30°	3533	3508	3485
35°	3552	3530	3498
40°	3542	3521	3481
45°	3492	3457	3419
50°	3396	3341	3306
55°	3255	3177	3136
60°	3033	2981	2920
65°	2749	2694	2616
70°	2347	2304	2230
75°	1833	1814	1727
80°	1351	1296	1223
85°	815	815	760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.4	3.3
10°-20°	345.6	9.5
20°-30°	540.2	14.9
30°-40°	671.3	18.5
40°-50°	699.4	19.3
50°-60°	606.9	16.8
60°-70°	417.3	11.5
70°-80°	188.3	5.2
80°-90°	34.5	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°	1004.2	27.7
0°-40°	1675.5	46.3
0°-60°	2981.8	82.3
0°-90°	3622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1245	1245	1245	1245	1245	
5°	1243	1244	1243	1242	1244	118
15°	1224	1224	1222	1221	1221	346
25°	1177	1176	1171	1166	1165	543
35°	1081	1081	1075	1068	1065	676
45°	918	918	908	902	898	706
55°	694	690	677	669	668	618
65°	432	430	423	413	411	426
75°	176	177	174	170	166	192
85°	26	26	26	26	25	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1244.8	1244.8	1244.8	1244.8	1244.8
2.5°	1245.1	1245.1	1244.4	1243.3	1245.9
5°	1243.3	1243.7	1243.0	1241.9	1243.7
7.5°	1240.8	1241.2	1240.1	1239.0	1240.4
10°	1236.8	1236.5	1235.4	1234.6	1236.5
12.5°	1231.0	1230.7	1229.6	1228.8	1230.3
15°	1223.8	1223.8	1222.0	1220.9	1221.2
17.5°	1215.1	1215.1	1212.6	1210.0	1210.8
20°	1205.0	1204.6	1201.0	1198.4	1198.1
22.5°	1192.3	1192.3	1187.2	1184.0	1182.9
25°	1176.7	1176.4	1170.6	1165.9	1165.1
27.5°	1159.0	1158.3	1151.4	1146.7	1144.9
30°	1136.9	1136.2	1128.9	1123.9	1121.7
32.5°	1110.9	1111.9	1103.6	1097.8	1095.6
35°	1081.2	1081.2	1074.7	1068.5	1064.9
37.5°	1047.1	1047.1	1041.0	1034.8	1030.5
40°	1008.4	1008.8	1002.3	994.7	991.0
42.5°	965.0	965.7	957.0	950.9	946.9
45°	917.6	917.9	908.5	901.6	898.4
47.5°	866.2	865.4	854.9	849.2	845.9
50°	811.1	809.7	798.1	792.7	789.8
52.5°	753.6	750.7	740.6	732.6	730.1
55°	693.9	689.9	677.2	669.3	668.5
57.5°	631.6	626.9	616.4	608.8	605.9
60°	563.6	562.5	553.8	544.7	542.6
62.5°	499.9	496.6	489.0	478.1	477.1
65°	431.8	430.0	423.1	413.0	410.8
67.5°	361.6	363.4	357.6	348.6	345.7
70°	298.3	299.3	292.8	284.5	283.4
72.5°	234.5	236.4	230.9	225.5	224.4
75°	176.3	177.0	174.5	169.8	166.1
77.5°	125.2	127.8	124.9	121.6	118.7
80°	87.2	83.3	83.6	82.2	78.9
82.5°	52.5	50.7	50.3	48.9	47.4
85°	26.4	26.1	26.4	26.1	24.6
87.5°	8.7	9.4	9.8	9.8	9.0
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)