

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: P412725

Luminaire Tested: **22PD-35-PP3-L850**

Issue Date: 9/15/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P412725  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-35-PP3-L850  
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

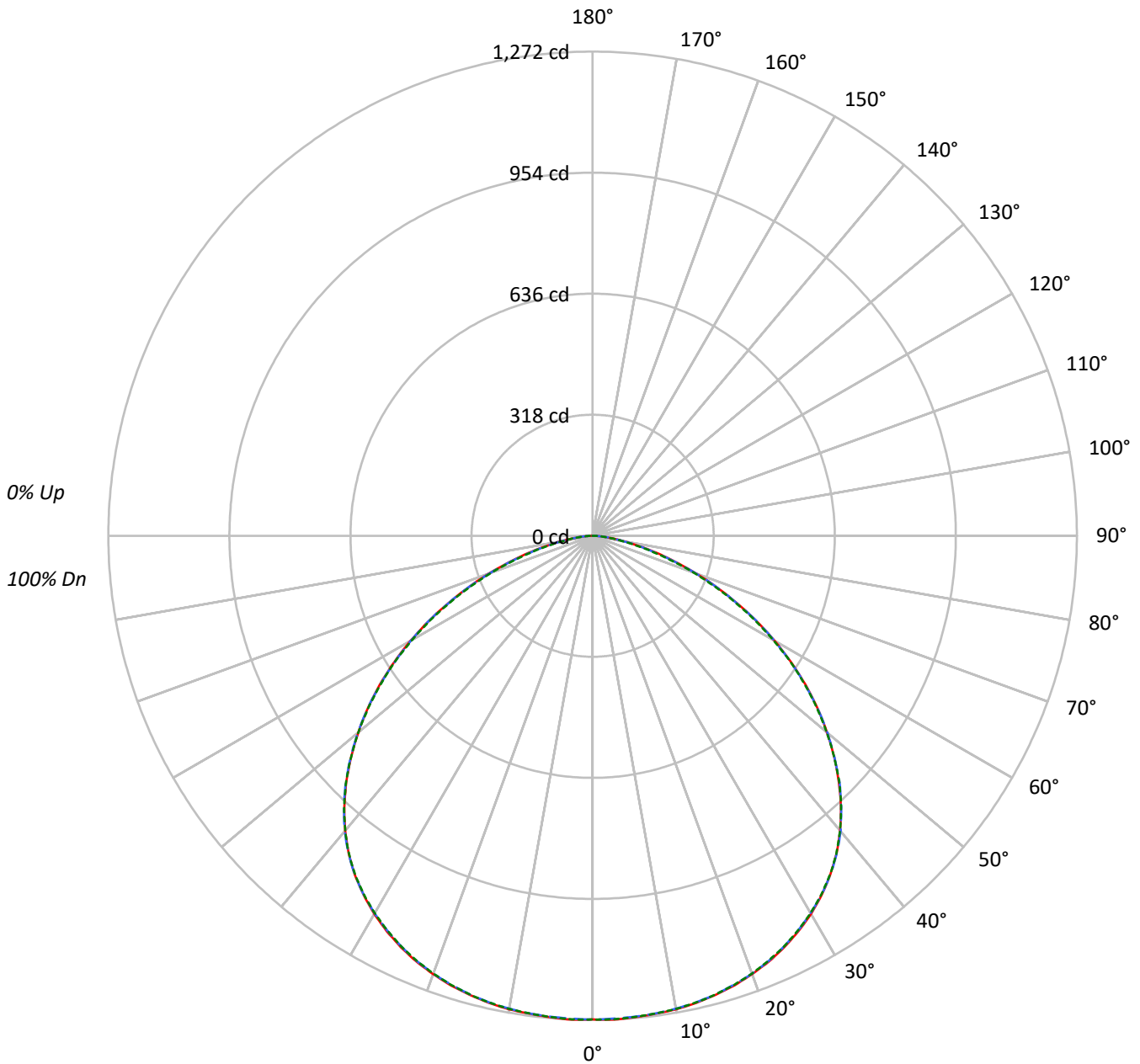
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3646.0 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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	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	87	81	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
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°	3420	3420	3420
5°	3430	3426	3428
10°	3452	3447	3449
15°	3479	3475	3475
20°	3509	3505	3504
25°	3540	3534	3534
30°	3565	3558	3557
35°	3575	3575	3571
40°	3552	3559	3552
45°	3481	3491	3486
50°	3364	3370	3361
55°	3203	3195	3189
60°	2973	2967	2943
65°	2656	2653	2623
70°	2270	2257	2207
75°	1809	1756	1703
80°	1289	1263	1196
85°	840	840	812



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.9	3.3
10°-20°	352.5	9.7
20°-30°	548.9	15.1
30°-40°	679.4	18.6
40°-50°	704.5	19.3
50°-60°	607.2	16.7
60°-70°	412.8	11.3
70°-80°	184.7	5.1
80°-90°	35.2	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°	1022.3	28.0
0°-40°	1701.6	46.7
0°-60°	3013.3	82.6
0°-90°	3646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3646.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1270	1267	1268	1268	1269	121
15°	1249	1247	1248	1247	1248	353
25°	1192	1191	1190	1190	1190	550
35°	1088	1087	1088	1087	1087	680
45°	915	914	917	915	916	704
55°	683	680	681	680	680	609
65°	417	420	417	415	412	414
75°	174	174	169	168	164	187
85°	27	28	27	26	26	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1272.5	1269.9	1269.9	1270.4	1271.6
5°	1269.9	1267.4	1268.2	1267.8	1269.1
7.5°	1266.6	1264.4	1265.7	1264.9	1265.7
10°	1263.2	1261.0	1261.5	1261.0	1262.3
12.5°	1257.2	1254.7	1255.5	1255.5	1255.9
15°	1248.7	1246.6	1247.5	1246.6	1247.5
17.5°	1238.5	1236.0	1236.4	1236.0	1236.8
20°	1225.4	1223.7	1224.1	1223.3	1223.7
22.5°	1210.5	1208.4	1208.8	1208.0	1208.0
25°	1192.3	1190.6	1190.2	1189.8	1190.2
27.5°	1171.1	1169.0	1169.0	1168.5	1168.5
30°	1147.3	1145.2	1145.2	1144.8	1144.8
32.5°	1119.3	1118.5	1118.9	1118.0	1117.6
35°	1088.3	1087.1	1088.3	1086.6	1087.1
37.5°	1052.3	1050.6	1053.1	1051.4	1051.9
40°	1011.1	1010.3	1013.2	1012.0	1011.1
42.5°	965.3	965.3	966.6	967.0	966.1
45°	914.8	914.0	917.3	915.2	916.1
47.5°	860.5	859.2	861.8	861.3	860.9
50°	803.6	802.8	804.9	802.8	802.8
52.5°	744.7	744.2	744.7	742.5	742.1
55°	682.7	680.2	681.0	679.7	679.7
57.5°	618.2	615.2	615.7	615.2	615.7
60°	552.4	551.6	551.2	549.1	546.9
62.5°	485.0	485.8	485.4	482.4	480.3
65°	417.1	420.5	416.7	415.4	412.0
67.5°	353.0	354.3	351.7	348.8	345.0
70°	288.5	291.1	286.8	283.9	280.5
72.5°	227.0	228.7	224.9	223.2	218.9
75°	174.0	174.4	168.9	168.0	163.8
77.5°	123.9	125.6	121.4	121.4	117.1
80°	83.2	86.1	81.5	80.2	77.2
82.5°	52.2	52.6	51.3	50.1	48.8
85°	27.2	28.0	27.2	26.3	26.3
87.5°	10.2	10.6	10.2	9.8	10.2
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)