

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: P412842

Luminaire Tested: **24PD-35-PP3-L850**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412842
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: 24PD-35-PP3-L850
Description: 3500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

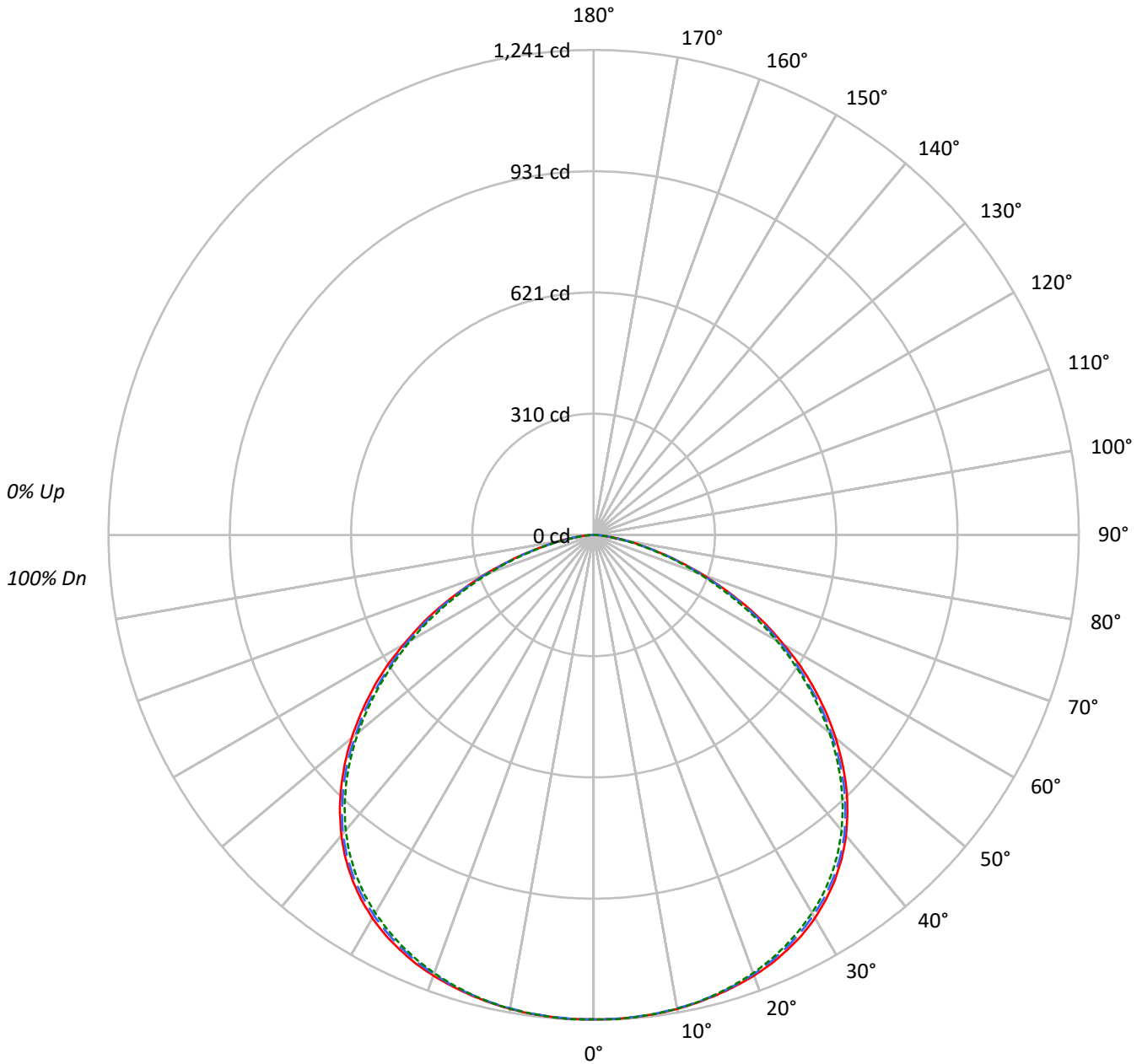
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3607.0 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.3
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°	1668	1668	1668
5°	1672	1672	1673
10°	1683	1681	1682
15°	1698	1695	1694
20°	1718	1712	1708
25°	1740	1731	1723
30°	1759	1747	1736
35°	1769	1758	1742
40°	1764	1753	1733
45°	1739	1722	1702
50°	1691	1664	1646
55°	1621	1582	1562
60°	1510	1484	1454
65°	1369	1342	1302
70°	1168	1147	1110
75°	912	903	860
80°	673	645	609
85°	406	406	378



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	3.3
10°-20°	344.1	9.5
20°-30°	537.9	14.9
30°-40°	668.5	18.5
40°-50°	696.5	19.3
50°-60°	604.4	16.8
60°-70°	415.6	11.5
70°-80°	187.6	5.2
80°-90°	34.4	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°	1000.0	27.7
0°-40°	1668.5	46.3
0°-60°	2969.5	82.3
0°-90°	3607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1240	1240	1240	1240	1240	
5°	1238	1238	1238	1237	1238	118
15°	1219	1219	1217	1216	1216	345
25°	1172	1172	1166	1161	1160	541
35°	1077	1077	1070	1064	1060	673
45°	914	914	905	898	895	703
55°	691	687	674	666	666	616
65°	430	428	421	411	409	424
75°	176	176	174	169	166	191
85°	26	26	26	26	24	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1239.6	1239.6	1239.6	1239.6	1239.6
2.5°	1240.0	1240.0	1239.3	1238.2	1240.7
5°	1238.2	1238.5	1237.8	1236.7	1238.5
7.5°	1235.7	1236.0	1234.9	1233.9	1235.3
10°	1231.7	1231.3	1230.2	1229.5	1231.3
12.5°	1225.9	1225.6	1224.5	1223.8	1225.2
15°	1218.7	1218.7	1216.9	1215.8	1216.2
17.5°	1210.1	1210.1	1207.5	1205.0	1205.7
20°	1200.0	1199.6	1196.0	1193.5	1193.1
22.5°	1187.4	1187.4	1182.3	1179.1	1178.0
25°	1171.9	1171.5	1165.7	1161.0	1160.3
27.5°	1154.2	1153.5	1146.6	1141.9	1140.1
30°	1132.2	1131.5	1124.3	1119.2	1117.1
32.5°	1106.3	1107.3	1099.0	1093.3	1091.1
35°	1076.7	1076.7	1070.2	1064.1	1060.5
37.5°	1042.8	1042.8	1036.7	1030.6	1026.2
40°	1004.2	1004.6	998.1	990.5	986.9
42.5°	961.0	961.7	953.1	946.9	943.0
45°	913.8	914.1	904.8	897.9	894.7
47.5°	862.6	861.9	851.4	845.6	842.4
50°	807.8	806.3	794.8	789.4	786.5
52.5°	750.5	747.6	737.5	729.6	727.0
55°	691.0	687.0	674.4	666.5	665.8
57.5°	629.0	624.3	613.9	606.3	603.4
60°	561.2	560.2	551.5	542.5	540.3
62.5°	497.8	494.6	487.0	476.2	475.1
65°	430.0	428.2	421.4	411.3	409.1
67.5°	360.1	361.9	356.1	347.1	344.2
70°	297.0	298.1	291.6	283.3	282.2
72.5°	233.6	235.4	230.0	224.6	223.5
75°	175.5	176.3	173.7	169.1	165.5
77.5°	124.7	127.2	124.4	121.1	118.2
80°	86.9	82.9	83.3	81.8	78.6
82.5°	52.3	50.5	50.1	48.7	47.2
85°	26.3	26.0	26.3	26.0	24.5
87.5°	8.7	9.4	9.7	9.7	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)