

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: P412870

Luminaire Tested: **24PD-50-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412870
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-50-PP3-L927
Description: 5000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

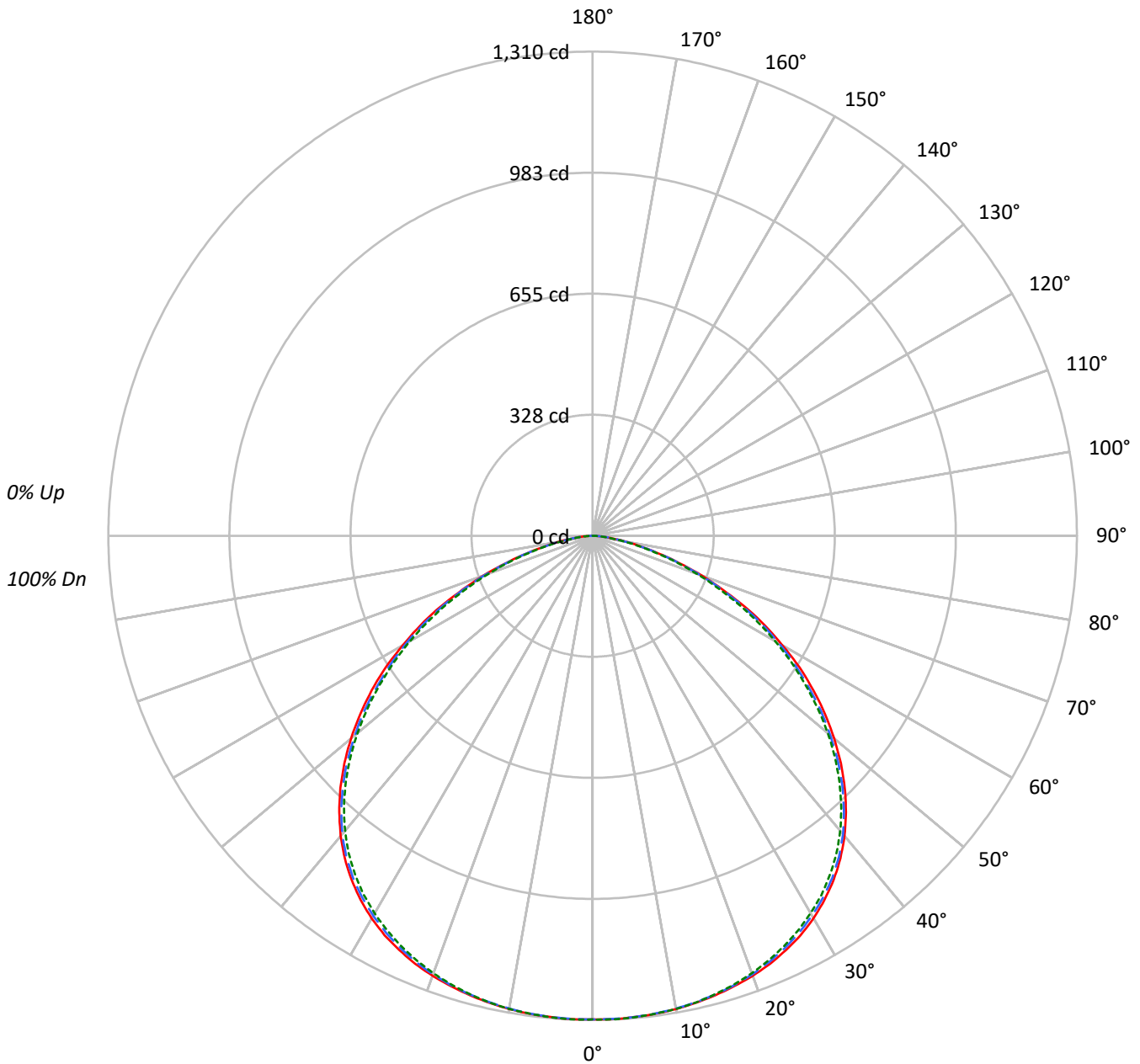
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3808.0 lumens
Efficiency: N/A
Efficacy: 102.6 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): 37.1
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°	1761	1761	1761
5°	1766	1765	1766
10°	1777	1774	1776
15°	1792	1790	1789
20°	1814	1808	1804
25°	1837	1827	1819
30°	1857	1844	1832
35°	1867	1856	1839
40°	1862	1851	1830
45°	1836	1818	1797
50°	1785	1756	1738
55°	1711	1670	1649
60°	1594	1567	1535
65°	1445	1416	1375
70°	1234	1211	1172
75°	963	953	908
80°	711	681	643
85°	429	429	400



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	3.3
10°-20°	363.3	9.5
20°-30°	567.9	14.9
30°-40°	705.8	18.5
40°-50°	735.4	19.3
50°-60°	638.1	16.8
60°-70°	438.8	11.5
70°-80°	198.0	5.2
80°-90°	36.3	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°	1055.7	27.7
0°-40°	1761.5	46.3
0°-60°	3135.0	82.3
0°-90°	3808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1309	1309	1309	1309	1309	
5°	1307	1308	1307	1306	1308	125
15°	1287	1287	1285	1284	1284	364
25°	1237	1237	1231	1226	1225	571
35°	1137	1137	1130	1123	1120	710
45°	965	965	955	948	944	742
55°	730	725	712	704	703	650
65°	454	452	445	434	432	448
75°	185	186	183	178	175	202
85°	28	27	28	27	26	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1309.1	1309.1	1308.3	1307.2	1309.8
5°	1307.2	1307.6	1306.8	1305.7	1307.6
7.5°	1304.5	1304.9	1303.8	1302.6	1304.1
10°	1300.3	1299.9	1298.8	1298.0	1299.9
12.5°	1294.2	1293.9	1292.7	1292.0	1293.5
15°	1286.6	1286.6	1284.7	1283.6	1284.0
17.5°	1277.5	1277.5	1274.8	1272.2	1272.9
20°	1266.8	1266.5	1262.7	1260.0	1259.6
22.5°	1253.5	1253.5	1248.2	1244.8	1243.6
25°	1237.2	1236.8	1230.7	1225.7	1225.0
27.5°	1218.5	1217.7	1210.5	1205.6	1203.7
30°	1195.3	1194.5	1186.9	1181.6	1179.3
32.5°	1167.9	1169.0	1160.3	1154.2	1151.9
35°	1136.7	1136.7	1129.8	1123.4	1119.6
37.5°	1100.9	1100.9	1094.5	1088.0	1083.4
40°	1060.2	1060.6	1053.7	1045.7	1041.9
42.5°	1014.5	1015.3	1006.2	999.7	995.5
45°	964.7	965.1	955.2	947.9	944.5
47.5°	910.6	909.9	898.9	892.8	889.3
50°	852.8	851.3	839.1	833.4	830.4
52.5°	792.3	789.3	778.6	770.2	767.6
55°	729.5	725.3	712.0	703.6	702.9
57.5°	664.1	659.1	648.1	640.1	637.0
60°	592.5	591.4	582.2	572.7	570.4
62.5°	525.5	522.1	514.1	502.7	501.6
65°	454.0	452.1	444.9	434.2	431.9
67.5°	380.2	382.1	376.0	366.5	363.4
70°	313.6	314.7	307.9	299.1	298.0
72.5°	246.6	248.5	242.8	237.1	235.9
75°	185.3	186.1	183.4	178.5	174.7
77.5°	131.7	134.3	131.3	127.9	124.8
80°	91.7	87.5	87.9	86.4	83.0
82.5°	55.2	53.3	52.9	51.4	49.9
85°	27.8	27.4	27.8	27.4	25.9
87.5°	9.1	9.9	10.3	10.3	9.5
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)