

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: P413015

Luminaire Tested: **14PD-50-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-50-PC3-L930
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

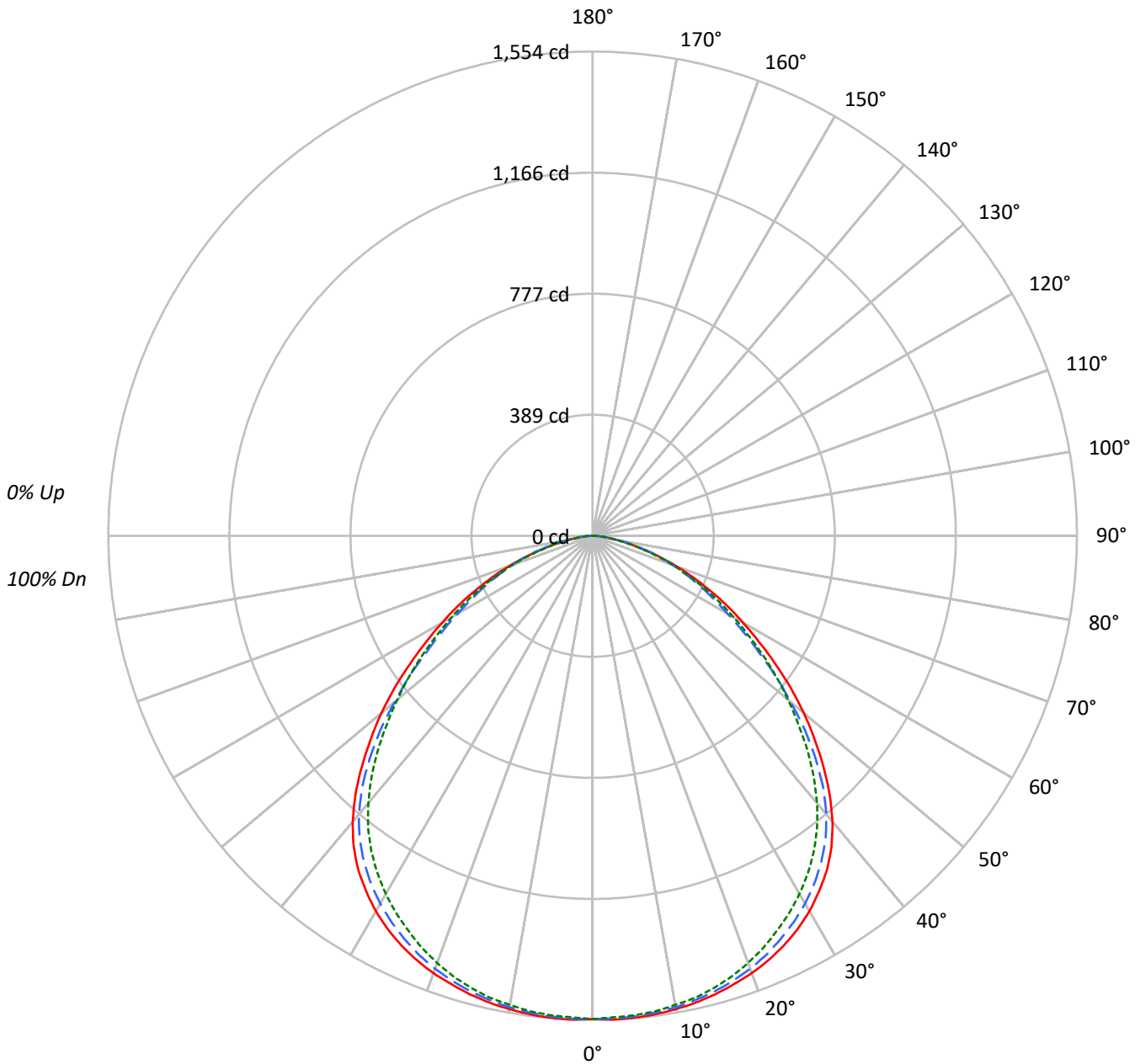
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4008.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4173	4173	4173
5°	4195	4184	4173
10°	4215	4198	4178
15°	4244	4217	4187
20°	4278	4235	4178
25°	4309	4240	4154
30°	4323	4236	4125
35°	4304	4201	4065
40°	4207	4098	3934
45°	3987	3851	3710
50°	3701	3465	3425
55°	3351	3054	3122
60°	2997	2690	2808
65°	2644	2412	2495
70°	2250	2136	2153
75°	1730	1823	1680
80°	1268	1331	1257
85°	849	932	914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	3.7
10°-20°	427.2	10.7
20°-30°	657.1	16.4
30°-40°	795.1	19.8
40°-50°	776.2	19.4
50°-60°	599.8	15.0
60°-70°	385.2	9.6
70°-80°	181.8	4.5
80°-90°	38.1	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°	1231.7	30.7
0°-40°	2026.8	50.6
0°-60°	3402.9	84.9
0°-90°	4008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1551	1551	1551	1551	1551	
5°	1553	1546	1549	1548	1545	148
15°	1523	1516	1514	1508	1503	431
25°	1451	1440	1428	1409	1399	669
35°	1310	1297	1279	1250	1237	817
45°	1048	1035	1012	986	975	806
55°	714	680	651	652	666	640
65°	415	390	379	375	392	413
75°	166	169	175	161	162	183
85°	28	32	30	30	30	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1550.9	1550.9	1550.9	1550.9	1550.9
2.5°	1554.4	1548.2	1551.6	1551.6	1546.8
5°	1553.0	1546.1	1548.9	1547.5	1544.7
7.5°	1548.9	1542.0	1544.0	1542.7	1539.2
10°	1542.7	1535.1	1536.5	1533.7	1528.9
12.5°	1534.4	1527.5	1526.2	1522.0	1518.6
15°	1523.4	1515.9	1513.8	1508.3	1502.8
17.5°	1509.0	1501.4	1498.0	1489.7	1483.5
20°	1493.9	1484.9	1478.7	1466.4	1458.8
22.5°	1474.6	1464.3	1456.0	1438.9	1431.3
25°	1451.2	1439.5	1427.9	1409.3	1399.0
27.5°	1423.7	1411.4	1397.6	1377.0	1365.3
30°	1391.4	1379.1	1363.2	1339.9	1327.5
32.5°	1352.9	1340.6	1324.1	1297.2	1284.9
35°	1310.3	1296.6	1278.7	1249.8	1237.4
37.5°	1259.4	1244.3	1227.8	1196.2	1183.1
40°	1197.6	1184.5	1166.6	1135.0	1119.9
42.5°	1126.1	1114.4	1094.4	1064.2	1049.8
45°	1047.7	1034.6	1011.9	985.8	974.8
47.5°	965.9	946.6	924.6	902.0	895.8
50°	884.1	859.3	827.7	816.0	818.1
52.5°	800.2	768.6	741.1	732.1	742.5
55°	714.3	679.9	651.0	651.7	665.5
57.5°	632.5	596.7	572.7	572.7	590.5
60°	556.8	523.8	499.8	499.1	521.8
62.5°	486.7	453.0	435.2	435.2	455.8
65°	415.2	390.5	378.8	374.7	391.9
67.5°	349.2	332.0	323.8	319.0	330.0
70°	286.0	275.0	271.5	266.0	273.6
72.5°	223.4	220.7	227.6	214.5	217.9
75°	166.4	169.1	175.3	160.9	161.6
77.5°	119.6	125.1	127.2	120.3	120.3
80°	81.8	88.7	85.9	82.5	81.1
82.5°	52.2	55.7	55.7	53.6	52.2
85°	27.5	31.6	30.2	29.6	29.6
87.5°	10.3	14.4	14.4	13.7	13.1
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)