

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: P412691

Luminaire Tested: **14PD-60-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412691
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-60-PP3-L930
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

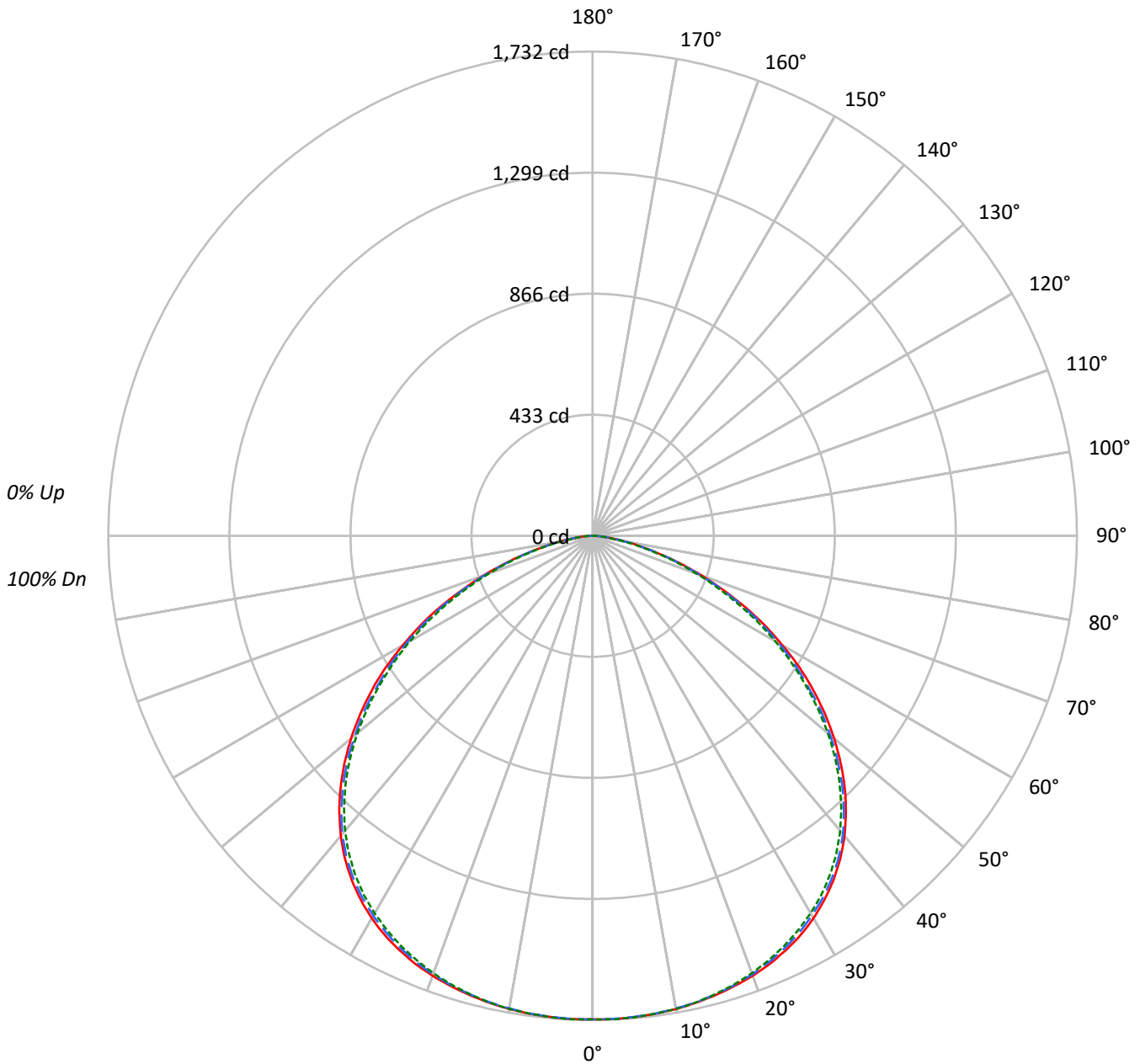
Lumens per Lamp: N/A
Luminaire Lumens: 5034.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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°	4655	4655	4655
5°	4668	4666	4669
10°	4697	4692	4696
15°	4739	4731	4729
20°	4796	4780	4768
25°	4856	4831	4808
30°	4910	4876	4844
35°	4936	4907	4862
40°	4923	4893	4839
45°	4853	4805	4752
50°	4720	4644	4595
55°	4525	4416	4359
60°	4216	4142	4059
65°	3822	3745	3636
70°	3261	3202	3099
75°	2547	2521	2401
80°	1878	1801	1700
85°	1133	1133	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.6	3.3
10°-20°	480.3	9.5
20°-30°	750.7	14.9
30°-40°	933.0	18.5
40°-50°	972.1	19.3
50°-60°	843.5	16.8
60°-70°	580.0	11.5
70°-80°	261.8	5.2
80°-90°	48.0	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°	1395.6	27.7
0°-40°	2328.6	46.3
0°-60°	4144.3	82.3
0°-90°	5034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1730	1730	1730	1730	1730	
5°	1728	1728	1728	1726	1728	165
15°	1701	1701	1698	1697	1697	481
25°	1636	1635	1627	1620	1619	754
35°	1503	1503	1494	1485	1480	939
45°	1275	1276	1263	1253	1249	982
55°	964	959	941	930	929	859
65°	600	598	588	574	571	592
75°	245	246	242	236	231	267
85°	37	36	37	36	34	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1730.0	1730.0	1730.0	1730.0	1730.0
2.5°	1730.5	1730.5	1729.5	1728.0	1731.5
5°	1728.0	1728.5	1727.5	1726.0	1728.5
7.5°	1724.5	1725.0	1723.5	1722.0	1724.0
10°	1719.0	1718.5	1717.0	1716.0	1718.5
12.5°	1710.9	1710.4	1708.9	1707.9	1709.9
15°	1700.9	1700.9	1698.3	1696.8	1697.3
17.5°	1688.8	1688.8	1685.3	1681.7	1682.8
20°	1674.7	1674.2	1669.2	1665.6	1665.1
22.5°	1657.1	1657.1	1650.1	1645.5	1644.0
25°	1635.5	1635.0	1626.9	1620.4	1619.4
27.5°	1610.8	1609.8	1600.2	1593.7	1591.2
30°	1580.1	1579.1	1569.1	1562.0	1559.0
32.5°	1543.9	1545.4	1533.8	1525.8	1522.8
35°	1502.7	1502.7	1493.6	1485.0	1480.0
37.5°	1455.4	1455.4	1446.8	1438.3	1432.2
40°	1401.5	1402.0	1393.0	1382.4	1377.4
42.5°	1341.2	1342.2	1330.1	1321.6	1316.0
45°	1275.3	1275.8	1262.7	1253.1	1248.6
47.5°	1203.8	1202.8	1188.2	1180.2	1175.7
50°	1127.4	1125.4	1109.3	1101.7	1097.7
52.5°	1047.4	1043.4	1029.3	1018.2	1014.7
55°	964.4	958.8	941.2	930.2	929.2
57.5°	877.8	871.3	856.7	846.2	842.1
60°	783.3	781.8	769.7	757.1	754.1
62.5°	694.7	690.2	679.6	664.5	663.0
65°	600.2	597.6	588.1	574.0	571.0
67.5°	502.6	505.1	497.0	484.5	480.4
70°	414.5	416.0	407.0	395.4	393.9
72.5°	326.0	328.5	321.0	313.4	311.9
75°	245.0	246.0	242.5	235.9	230.9
77.5°	174.1	177.6	173.6	169.0	165.0
80°	121.2	115.7	116.2	114.2	109.7
82.5°	72.9	70.4	69.9	67.9	65.9
85°	36.7	36.2	36.7	36.2	34.2
87.5°	12.1	13.1	13.6	13.6	12.6
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)