

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: P412673

Luminaire Tested: **14PD-50-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412673
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-50-PP3-L930
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

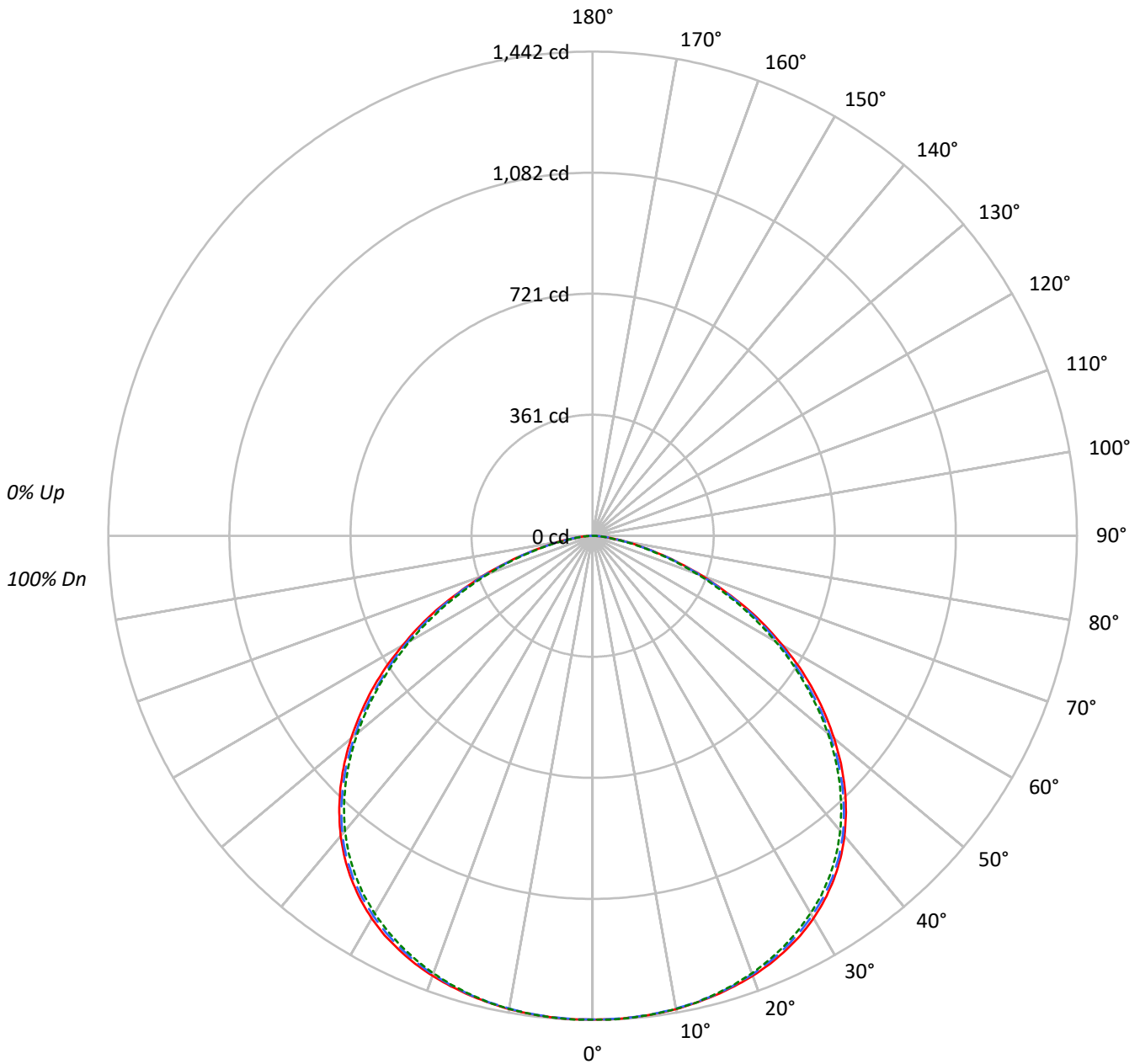
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4192.0 lumens
Efficiency: N/A
Efficacy: 86.3 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): 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	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°	3877	3877	3877
5°	3887	3886	3888
10°	3912	3907	3910
15°	3946	3940	3938
20°	3994	3981	3971
25°	4044	4023	4004
30°	4089	4060	4034
35°	4111	4086	4049
40°	4100	4075	4029
45°	4042	4002	3957
50°	3930	3867	3827
55°	3768	3677	3630
60°	3511	3449	3380
65°	3182	3118	3028
70°	2716	2666	2581
75°	2121	2099	1999
80°	1565	1500	1415
85°	945	945	880



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.1	3.3
10°-20°	400.0	9.5
20°-30°	625.1	14.9
30°-40°	776.9	18.5
40°-50°	809.5	19.3
50°-60°	702.4	16.8
60°-70°	483.0	11.5
70°-80°	218.0	5.2
80°-90°	40.0	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°	1162.2	27.7
0°-40°	1939.1	46.3
0°-60°	3451.1	82.3
0°-90°	4192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1441	1441	1441	1441	1441	
5°	1439	1439	1439	1437	1439	137
15°	1416	1416	1414	1413	1413	401
25°	1362	1362	1355	1349	1348	628
35°	1251	1251	1244	1237	1232	782
45°	1062	1062	1052	1044	1040	817
55°	803	798	784	775	774	716
65°	500	498	490	478	476	493
75°	204	205	202	196	192	222
85°	31	30	31	30	28	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1440.7	1440.7	1440.7	1440.7	1440.7
2.5°	1441.1	1441.1	1440.2	1439.0	1441.9
5°	1439.0	1439.4	1438.6	1437.3	1439.4
7.5°	1436.1	1436.5	1435.2	1434.0	1435.6
10°	1431.5	1431.0	1429.8	1428.9	1431.0
12.5°	1424.7	1424.3	1423.1	1422.2	1423.9
15°	1416.4	1416.4	1414.3	1413.0	1413.4
17.5°	1406.3	1406.3	1403.4	1400.5	1401.3
20°	1394.6	1394.2	1390.0	1387.0	1386.6
22.5°	1379.9	1379.9	1374.1	1370.3	1369.0
25°	1361.9	1361.5	1354.8	1349.3	1348.5
27.5°	1341.4	1340.5	1332.6	1327.1	1325.0
30°	1315.8	1315.0	1306.6	1300.7	1298.2
32.5°	1285.7	1286.9	1277.3	1270.6	1268.1
35°	1251.3	1251.3	1243.8	1236.7	1232.5
37.5°	1211.9	1211.9	1204.8	1197.7	1192.7
40°	1167.1	1167.5	1160.0	1151.2	1147.0
42.5°	1116.8	1117.7	1107.6	1100.5	1095.9
45°	1062.0	1062.4	1051.5	1043.5	1039.8
47.5°	1002.5	1001.6	989.5	982.8	979.0
50°	938.8	937.1	923.7	917.4	914.1
52.5°	872.2	868.8	857.1	847.9	845.0
55°	803.1	798.5	783.8	774.6	773.7
57.5°	731.0	725.6	713.4	704.6	701.3
60°	652.3	651.0	640.9	630.5	628.0
62.5°	578.5	574.8	566.0	553.4	552.1
65°	499.8	497.7	489.7	478.0	475.5
67.5°	418.5	420.6	413.9	403.4	400.1
70°	345.2	346.4	338.9	329.3	328.0
72.5°	271.5	273.6	267.3	261.0	259.7
75°	204.0	204.9	201.9	196.5	192.3
77.5°	144.9	147.9	144.5	140.8	137.4
80°	101.0	96.4	96.8	95.1	91.3
82.5°	60.7	58.6	58.2	56.6	54.9
85°	30.6	30.2	30.6	30.2	28.5
87.5°	10.1	10.9	11.3	11.3	10.5
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)