

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: P413032

Luminaire Tested: **14PD-60-PC3-L927**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P413032
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-60-PC3-L927
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

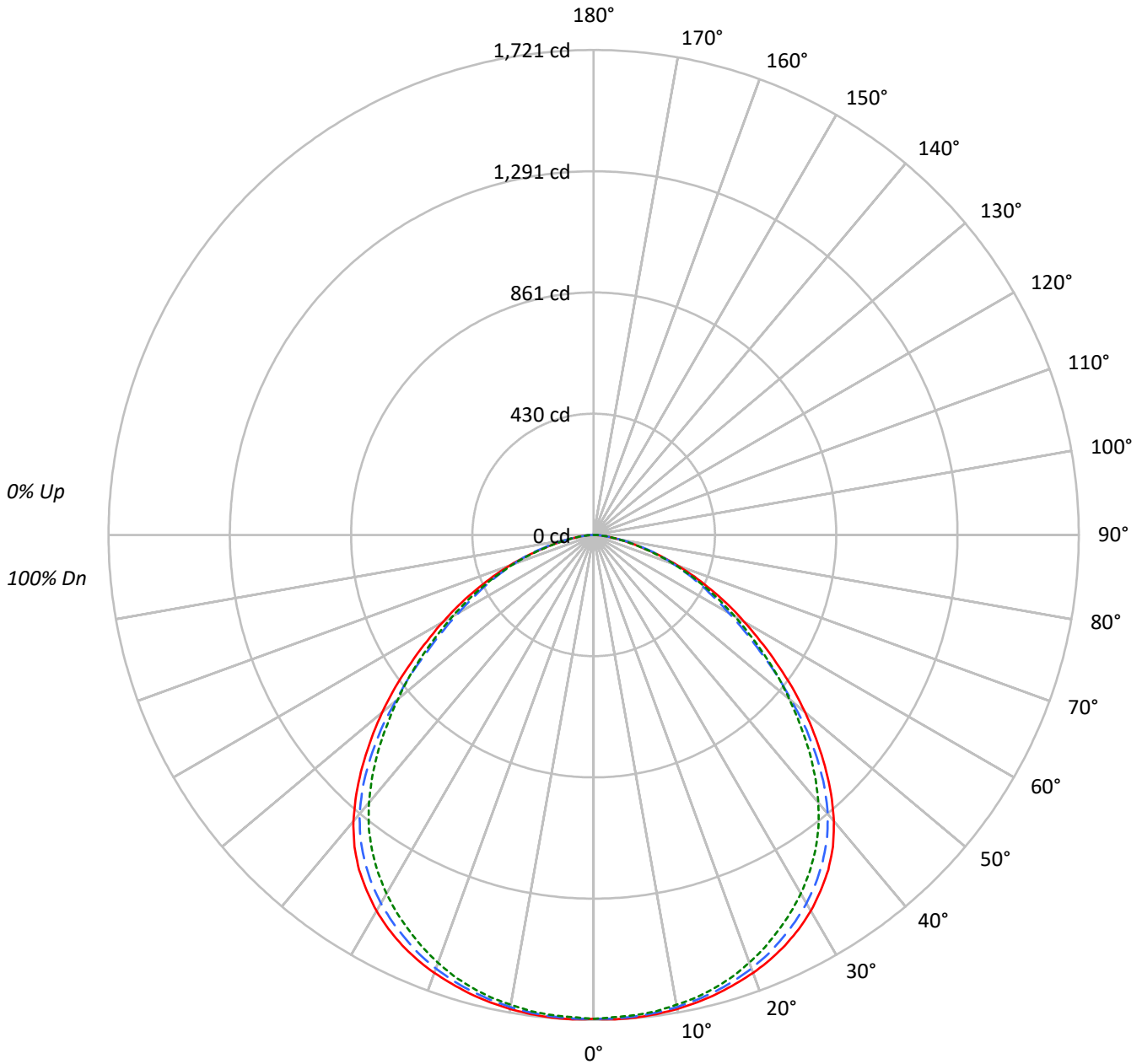
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4438.0 lumens
Efficiency: N/A
Efficacy: 74.8 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): 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	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°	4621	4621	4621
5°	4645	4633	4621
10°	4668	4649	4626
15°	4700	4670	4636
20°	4737	4689	4626
25°	4771	4694	4600
30°	4787	4690	4567
35°	4766	4651	4501
40°	4658	4538	4356
45°	4415	4264	4108
50°	4098	3837	3792
55°	3711	3382	3457
60°	3319	2978	3110
65°	2928	2670	2763
70°	2492	2366	2384
75°	1915	2018	1860
80°	1404	1475	1392
85°	939	1034	1010



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.2	3.7
10°-20°	473.1	10.7
20°-30°	727.6	16.4
30°-40°	880.4	19.8
40°-50°	859.5	19.4
50°-60°	664.2	15.0
60°-70°	426.5	9.6
70°-80°	201.3	4.5
80°-90°	42.2	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°	1363.8	30.7
0°-40°	2244.2	50.6
0°-60°	3767.9	84.9
0°-90°	4438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1717	1717	1717	1717	1717	
5°	1720	1712	1715	1714	1710	164
15°	1687	1678	1676	1670	1664	477
25°	1607	1594	1581	1560	1549	741
35°	1451	1436	1416	1384	1370	905
45°	1160	1146	1120	1092	1079	893
55°	791	753	721	722	737	709
65°	460	432	419	415	434	458
75°	184	187	194	178	179	202
85°	30	35	34	33	33	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1717.3	1717.3	1717.3	1717.3	1717.3
2.5°	1721.1	1714.3	1718.1	1718.1	1712.7
5°	1719.6	1712.0	1715.0	1713.5	1710.5
7.5°	1715.0	1707.4	1709.7	1708.2	1704.4
10°	1708.2	1699.8	1701.3	1698.3	1692.9
12.5°	1699.0	1691.4	1689.9	1685.3	1681.5
15°	1686.9	1678.5	1676.2	1670.1	1664.0
17.5°	1670.9	1662.5	1658.7	1649.6	1642.7
20°	1654.1	1644.2	1637.4	1623.7	1615.3
22.5°	1632.8	1621.4	1612.3	1593.2	1584.9
25°	1606.9	1594.0	1581.0	1560.5	1549.1
27.5°	1576.5	1562.8	1547.6	1524.7	1511.8
30°	1540.7	1527.0	1509.5	1483.6	1469.9
32.5°	1498.1	1484.4	1466.1	1436.4	1422.7
35°	1450.9	1435.7	1415.9	1383.9	1370.2
37.5°	1394.6	1377.8	1359.5	1324.5	1310.1
40°	1326.0	1311.6	1291.8	1256.8	1240.0
42.5°	1246.9	1233.9	1211.9	1178.4	1162.4
45°	1160.1	1145.6	1120.5	1091.6	1079.4
47.5°	1069.5	1048.2	1023.8	998.7	991.9
50°	978.9	951.5	916.5	903.6	905.8
52.5°	886.1	851.0	820.6	810.7	822.1
55°	790.9	752.8	720.9	721.6	736.9
57.5°	700.3	660.7	634.1	634.1	653.9
60°	616.6	580.0	553.4	552.6	577.8
62.5°	538.9	501.6	481.9	481.9	504.7
65°	459.8	432.4	419.4	414.9	433.9
67.5°	386.7	367.7	358.5	353.2	365.4
70°	316.7	304.5	300.7	294.6	303.0
72.5°	247.4	244.4	252.0	237.5	241.3
75°	184.2	187.3	194.1	178.1	178.9
77.5°	132.5	138.5	140.8	133.2	133.2
80°	90.6	98.2	95.2	91.3	89.8
82.5°	57.9	61.7	61.7	59.4	57.9
85°	30.4	35.0	33.5	32.7	32.7
87.5°	11.4	16.0	16.0	15.2	14.5
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)