

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: P413018

Luminaire Tested: **14PD-50-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413018
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-L950
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

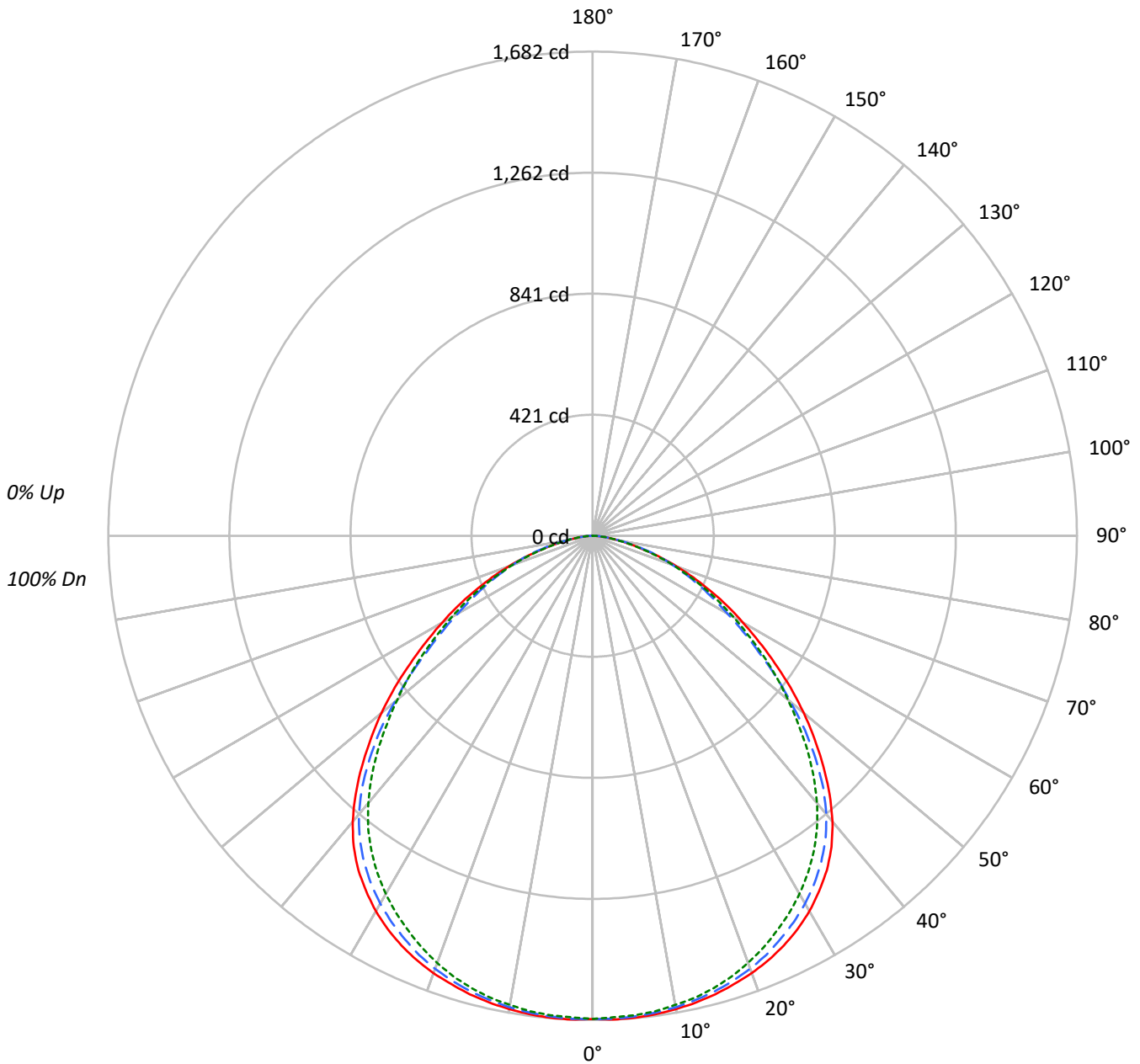
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4338.0 lumens
Efficiency: N/A
Efficacy: 89.3 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°	4517	4517	4517
5°	4540	4528	4516
10°	4562	4544	4522
15°	4593	4564	4531
20°	4630	4583	4521
25°	4664	4589	4496
30°	4680	4585	4465
35°	4659	4547	4400
40°	4553	4436	4258
45°	4316	4168	4015
50°	4006	3751	3707
55°	3627	3306	3379
60°	3244	2911	3039
65°	2862	2611	2700
70°	2435	2312	2330
75°	1873	1972	1818
80°	1371	1441	1361
85°	920	1010	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	3.7
10°-20°	462.4	10.7
20°-30°	711.2	16.4
30°-40°	860.6	19.8
40°-50°	840.2	19.4
50°-60°	649.2	15.0
60°-70°	416.9	9.6
70°-80°	196.8	4.5
80°-90°	41.3	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°	1333.1	30.7
0°-40°	2193.7	50.6
0°-60°	3683.1	84.9
0°-90°	4338.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4338.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1679	1679	1679	1679	1679	
5°	1681	1673	1676	1675	1672	160
15°	1649	1641	1638	1632	1626	466
25°	1571	1558	1545	1525	1514	724
35°	1418	1403	1384	1353	1339	884
45°	1134	1120	1095	1067	1055	872
55°	773	736	705	705	720	693
65°	449	423	410	406	424	447
75°	180	183	190	174	175	198
85°	30	34	33	32	32	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1678.6	1678.6	1678.6	1678.6	1678.6
2.5°	1682.3	1675.6	1679.4	1679.4	1674.1
5°	1680.8	1673.4	1676.4	1674.9	1671.9
7.5°	1676.4	1668.9	1671.2	1669.7	1666.0
10°	1669.7	1661.5	1663.0	1660.0	1654.8
12.5°	1660.8	1653.3	1651.8	1647.4	1643.6
15°	1648.8	1640.7	1638.4	1632.5	1626.5
17.5°	1633.2	1625.0	1621.3	1612.4	1605.7
20°	1616.9	1607.2	1600.5	1587.1	1578.9
22.5°	1596.0	1584.9	1575.9	1557.3	1549.1
25°	1570.7	1558.1	1545.4	1525.3	1514.2
27.5°	1541.0	1527.6	1512.7	1490.4	1477.7
30°	1506.0	1492.6	1475.5	1450.2	1436.8
32.5°	1464.3	1450.9	1433.1	1404.1	1390.7
35°	1418.2	1403.3	1384.0	1352.7	1339.3
37.5°	1363.1	1346.8	1328.9	1294.7	1280.5
40°	1296.2	1282.0	1262.7	1228.5	1212.1
42.5°	1218.8	1206.1	1184.6	1151.8	1136.2
45°	1134.0	1119.8	1095.3	1067.0	1055.1
47.5°	1045.4	1024.6	1000.8	976.2	969.5
50°	956.9	930.1	895.9	883.2	885.4
52.5°	866.1	831.9	802.1	792.4	803.6
55°	773.1	735.9	704.6	705.4	720.3
57.5°	684.5	645.8	619.8	619.8	639.2
60°	602.7	567.0	540.9	540.2	564.7
62.5°	526.8	490.3	471.0	471.0	493.3
65°	449.4	422.6	410.0	405.5	424.1
67.5°	378.0	359.4	350.5	345.2	357.2
70°	309.5	297.6	293.9	288.0	296.1
72.5°	241.8	238.8	246.3	232.1	235.9
75°	180.1	183.0	189.7	174.1	174.9
77.5°	129.5	135.4	137.7	130.2	130.2
80°	88.5	96.0	93.0	89.3	87.8
82.5°	56.5	60.3	60.3	58.0	56.5
85°	29.8	34.2	32.7	32.0	32.0
87.5°	11.2	15.6	15.6	14.9	14.1
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)