

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: P413023

Luminaire Tested: **14PD-55-PC3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413023
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-55-PC3-L927
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

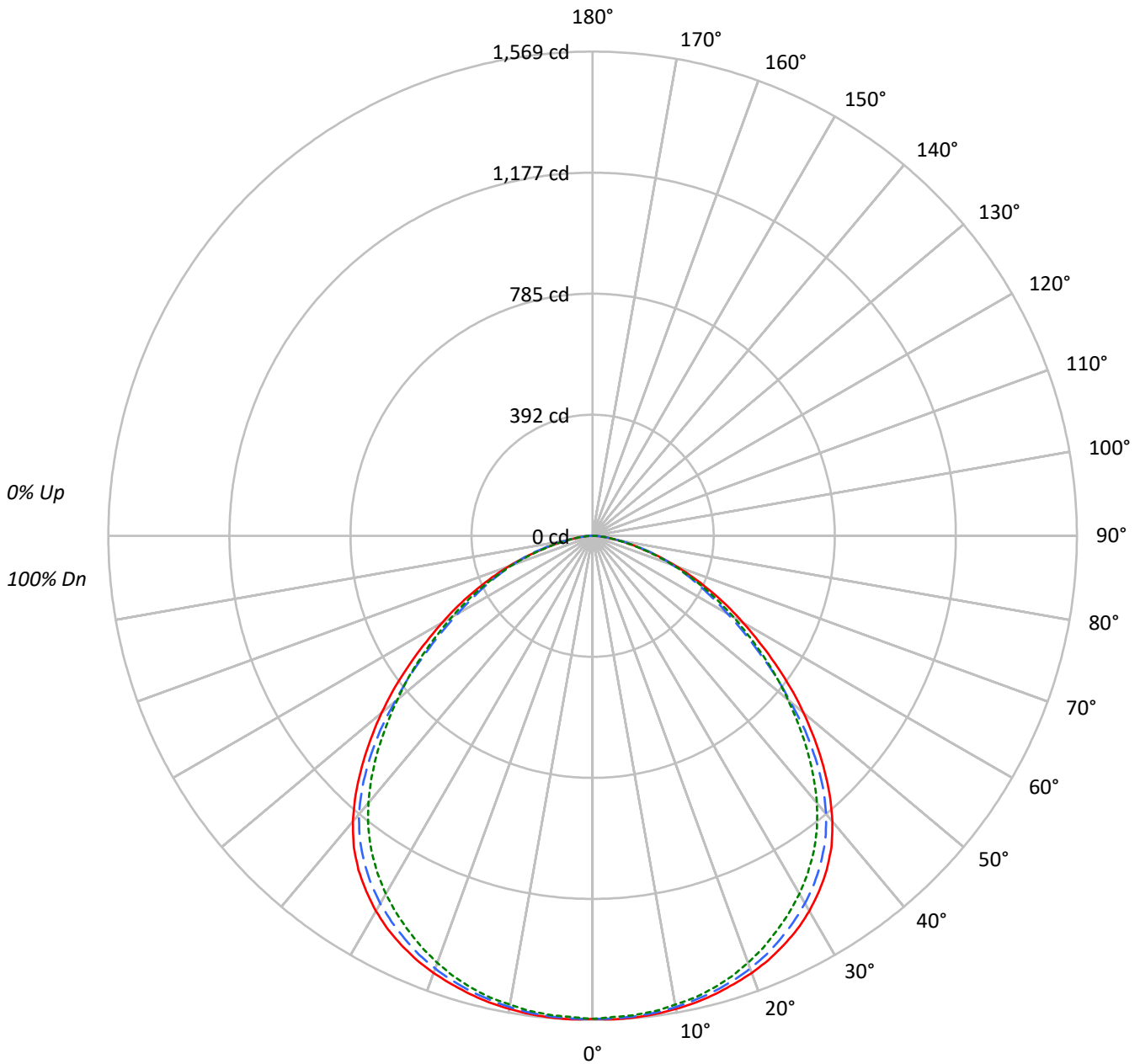
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4045.0 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): 54.1
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°	4212	4212	4212
5°	4234	4223	4211
10°	4254	4237	4216
15°	4283	4256	4225
20°	4317	4274	4216
25°	4349	4279	4192
30°	4364	4275	4163
35°	4344	4239	4103
40°	4246	4136	3970
45°	4024	3887	3744
50°	3735	3497	3456
55°	3382	3082	3151
60°	3025	2715	2834
65°	2669	2434	2518
70°	2271	2157	2172
75°	1746	1839	1695
80°	1280	1344	1269
85°	858	942	920



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	3.7
10°-20°	431.2	10.7
20°-30°	663.2	16.4
30°-40°	802.4	19.8
40°-50°	783.4	19.4
50°-60°	605.4	15.0
60°-70°	388.8	9.6
70°-80°	183.5	4.5
80°-90°	38.5	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°	1243.1	30.7
0°-40°	2045.5	50.6
0°-60°	3434.3	84.9
0°-90°	4045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1565	1565	1565	1565	1565	
5°	1567	1560	1563	1562	1559	149
15°	1538	1530	1528	1522	1517	434
25°	1465	1453	1441	1422	1412	675
35°	1322	1308	1290	1261	1249	825
45°	1057	1044	1021	995	984	813
55°	721	686	657	658	672	646
65°	419	394	382	378	396	417
75°	168	171	177	162	163	184
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°	1565.2	1565.2	1565.2	1565.2	1565.2
2.5°	1568.7	1562.5	1565.9	1565.9	1561.1
5°	1567.3	1560.4	1563.2	1561.8	1559.0
7.5°	1563.2	1556.2	1558.3	1556.9	1553.4
10°	1556.9	1549.3	1550.7	1547.9	1543.0
12.5°	1548.6	1541.6	1540.3	1536.1	1532.6
15°	1537.5	1529.8	1527.8	1522.2	1516.7
17.5°	1522.9	1515.3	1511.8	1503.5	1497.2
20°	1507.6	1498.6	1492.4	1479.9	1472.3
22.5°	1488.2	1477.8	1469.5	1452.1	1444.5
25°	1464.6	1452.8	1441.0	1422.3	1411.9
27.5°	1436.9	1424.4	1410.5	1389.7	1377.9
30°	1404.3	1391.8	1375.8	1352.2	1339.7
32.5°	1365.4	1352.9	1336.3	1309.2	1296.7
35°	1322.4	1308.5	1290.5	1261.3	1248.9
37.5°	1271.1	1255.8	1239.1	1207.2	1194.0
40°	1208.6	1195.4	1177.4	1145.5	1130.2
42.5°	1136.5	1124.7	1104.5	1074.0	1059.4
45°	1057.4	1044.2	1021.3	994.9	983.8
47.5°	974.8	955.4	933.2	910.3	904.0
50°	892.2	867.3	835.3	823.6	825.6
52.5°	807.6	775.7	747.9	738.9	749.3
55°	720.9	686.2	657.0	657.7	671.6
57.5°	638.3	602.2	577.9	577.9	596.0
60°	562.0	528.7	504.4	503.7	526.6
62.5°	491.2	457.2	439.2	439.2	460.0
65°	419.1	394.1	382.3	378.1	395.5
67.5°	352.5	335.1	326.8	321.9	333.0
70°	288.6	277.5	274.1	268.5	276.1
72.5°	225.5	222.7	229.7	216.5	219.9
75°	167.9	170.7	176.9	162.4	163.0
77.5°	120.7	126.3	128.4	121.4	121.4
80°	82.6	89.5	86.7	83.3	81.9
82.5°	52.7	56.2	56.2	54.1	52.7
85°	27.8	31.9	30.5	29.8	29.8
87.5°	10.4	14.6	14.6	13.9	13.2
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)