

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: P413024

Luminaire Tested: **14PD-55-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413024
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-L930
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

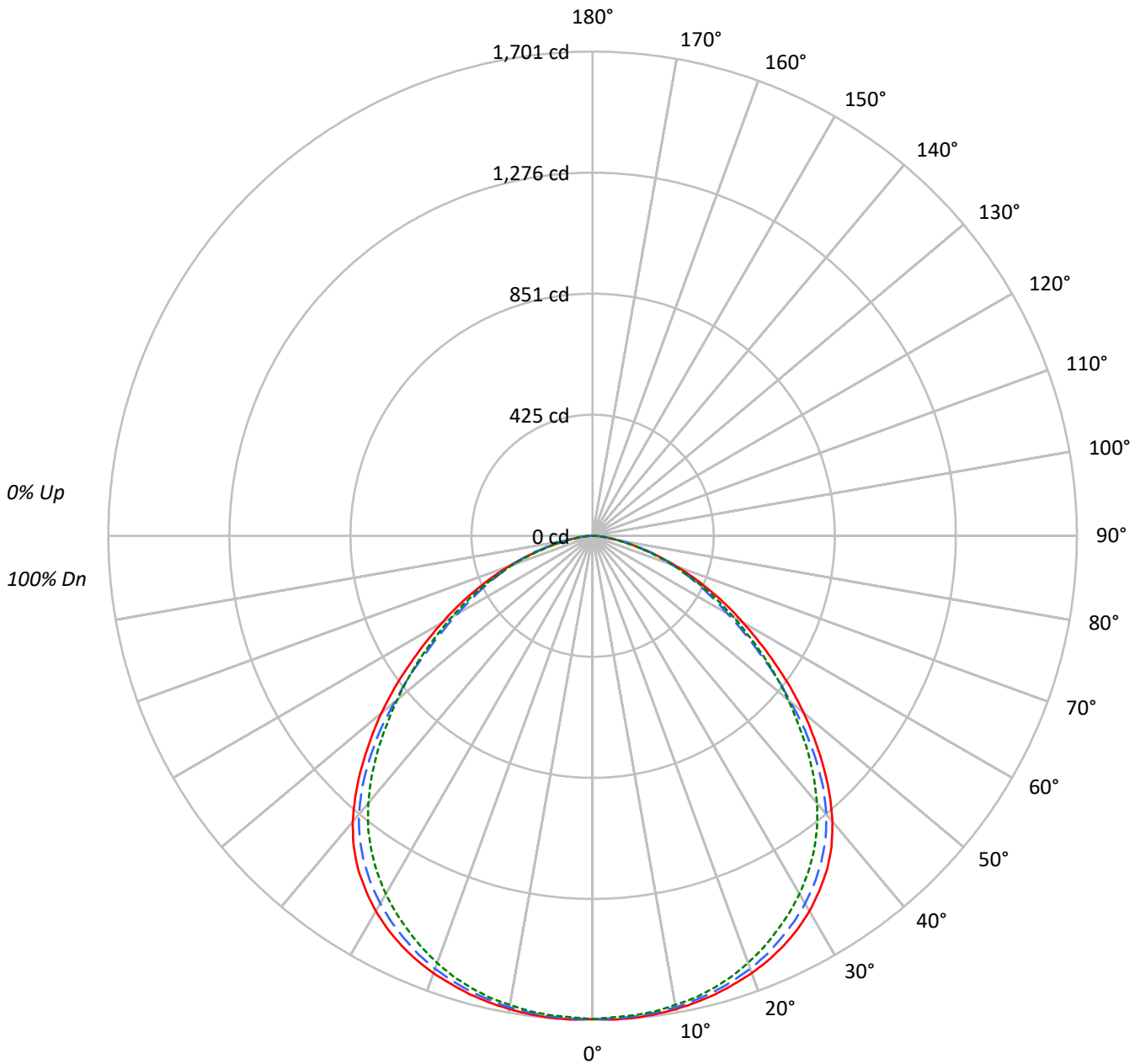
Lumens per Lamp: N/A
Luminaire Lumens: 4387.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.1
Input Voltage (V): NR
Input Current (Ain): 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°	4568	4568	4568
5°	4592	4579	4567
10°	4614	4596	4573
15°	4645	4616	4583
20°	4682	4635	4572
25°	4717	4641	4547
30°	4732	4636	4515
35°	4711	4598	4449
40°	4605	4486	4306
45°	4364	4215	4061
50°	4051	3793	3749
55°	3668	3343	3417
60°	3280	2944	3074
65°	2894	2640	2731
70°	2463	2338	2356
75°	1893	1995	1838
80°	1387	1458	1376
85°	929	1022	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.3	3.7
10°-20°	467.6	10.7
20°-30°	719.2	16.4
30°-40°	870.3	19.8
40°-50°	849.6	19.4
50°-60°	656.6	15.0
60°-70°	421.6	9.6
70°-80°	199.0	4.5
80°-90°	41.7	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°	1348.2	30.7
0°-40°	2218.5	50.6
0°-60°	3724.7	84.9
0°-90°	4387.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4387.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1698	1698	1698	1698	1698	
5°	1700	1692	1695	1694	1691	162
15°	1668	1659	1657	1651	1645	471
25°	1588	1576	1563	1543	1531	732
35°	1434	1419	1400	1368	1354	894
45°	1147	1132	1108	1079	1067	882
55°	782	744	713	713	728	701
65°	454	427	415	410	429	452
75°	182	185	192	176	177	200
85°	30	35	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°	1697.6	1697.6	1697.6	1697.6	1697.6
2.5°	1701.3	1694.6	1698.3	1698.3	1693.1
5°	1699.8	1692.3	1695.3	1693.8	1690.8
7.5°	1695.3	1687.8	1690.0	1688.5	1684.8
10°	1688.5	1680.3	1681.8	1678.8	1673.5
12.5°	1679.5	1672.0	1670.5	1666.0	1662.2
15°	1667.5	1659.2	1656.9	1650.9	1644.9
17.5°	1651.7	1643.4	1639.6	1630.6	1623.8
20°	1635.1	1625.3	1618.6	1605.0	1596.7
22.5°	1614.0	1602.8	1593.7	1574.9	1566.6
25°	1588.5	1575.7	1562.9	1542.6	1531.3
27.5°	1558.4	1544.8	1529.8	1507.2	1494.4
30°	1523.0	1509.5	1492.1	1466.6	1453.0
32.5°	1480.9	1467.3	1449.3	1419.9	1406.4
35°	1434.2	1419.2	1399.6	1368.0	1354.4
37.5°	1378.5	1362.0	1343.9	1309.3	1295.0
40°	1310.8	1296.5	1276.9	1242.3	1225.8
42.5°	1232.5	1219.8	1197.9	1164.8	1149.0
45°	1146.8	1132.5	1107.6	1079.0	1067.0
47.5°	1057.2	1036.2	1012.1	987.2	980.5
50°	967.7	940.6	906.0	893.2	895.4
52.5°	875.9	841.3	811.2	801.4	812.7
55°	781.8	744.2	712.6	713.3	728.4
57.5°	692.3	653.1	626.8	626.8	646.4
60°	609.5	573.4	547.0	546.3	571.1
62.5°	532.7	495.9	476.3	476.3	498.9
65°	454.5	427.4	414.6	410.1	428.9
67.5°	382.3	363.4	354.4	349.1	361.2
70°	313.0	301.0	297.2	291.2	299.5
72.5°	244.6	241.5	249.1	234.8	238.5
75°	182.1	185.1	191.9	176.1	176.8
77.5°	130.9	136.9	139.2	131.7	131.7
80°	89.5	97.1	94.1	90.3	88.8
82.5°	57.2	61.0	61.0	58.7	57.2
85°	30.1	34.6	33.1	32.4	32.4
87.5°	11.3	15.8	15.8	15.0	14.3
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)