

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: P413025

Luminaire Tested: **14PD-55-PC3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413025
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-L935
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

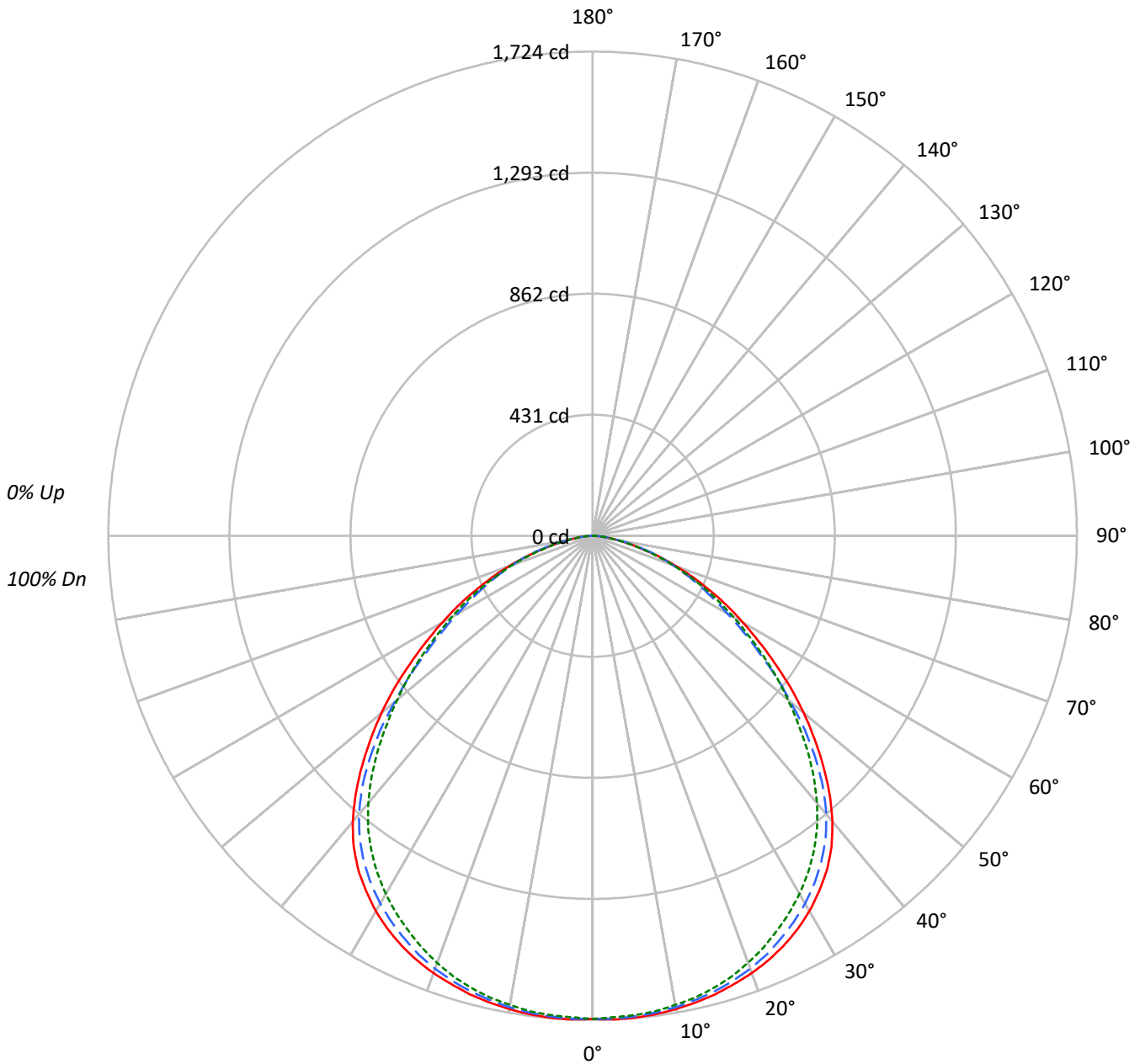
Lumens per Lamp: N/A
Luminaire Lumens: 4446.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	4630	4630	4630
5°	4653	4641	4629
10°	4676	4657	4634
15°	4708	4678	4644
20°	4745	4697	4634
25°	4780	4703	4608
30°	4796	4699	4576
35°	4775	4660	4509
40°	4666	4546	4364
45°	4423	4272	4115
50°	4106	3844	3799
55°	3717	3388	3463
60°	3324	2984	3115
65°	2933	2676	2768
70°	2496	2370	2388
75°	1918	2022	1863
80°	1406	1477	1395
85°	942	1037	1013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.5	3.7
10°-20°	473.9	10.7
20°-30°	728.9	16.4
30°-40°	882.0	19.8
40°-50°	861.1	19.4
50°-60°	665.4	15.0
60°-70°	427.3	9.6
70°-80°	201.7	4.5
80°-90°	42.3	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°	1366.3	30.7
0°-40°	2248.3	50.6
0°-60°	3774.7	84.9
0°-90°	4446.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4446.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1720	1720	1720	1720	1720	
5°	1723	1715	1718	1717	1714	164
15°	1690	1682	1679	1673	1667	478
25°	1610	1597	1584	1563	1552	742
35°	1454	1438	1418	1386	1373	906
45°	1162	1148	1122	1094	1081	894
55°	792	754	722	723	738	710
65°	461	433	420	416	435	459
75°	184	188	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°	1720.4	1720.4	1720.4	1720.4	1720.4
2.5°	1724.2	1717.4	1721.2	1721.2	1715.8
5°	1722.7	1715.1	1718.1	1716.6	1713.5
7.5°	1718.1	1710.5	1712.8	1711.3	1707.4
10°	1711.3	1702.9	1704.4	1701.3	1696.0
12.5°	1702.1	1694.5	1692.9	1688.4	1684.6
15°	1689.9	1681.5	1679.2	1673.1	1667.0
17.5°	1673.9	1665.5	1661.7	1652.5	1645.7
20°	1657.1	1647.2	1640.3	1626.6	1618.2
22.5°	1635.8	1624.3	1615.2	1596.1	1587.7
25°	1609.8	1596.9	1583.9	1563.3	1551.9
27.5°	1579.3	1565.6	1550.3	1527.5	1514.5
30°	1543.5	1529.8	1512.2	1486.3	1472.6
32.5°	1500.8	1487.1	1468.7	1439.0	1425.3
35°	1453.5	1438.2	1418.4	1386.4	1372.7
37.5°	1397.1	1380.3	1362.0	1326.9	1312.4
40°	1328.4	1313.9	1294.1	1259.0	1242.3
42.5°	1249.1	1236.2	1214.0	1180.5	1164.5
45°	1162.2	1147.7	1122.5	1093.6	1081.4
47.5°	1071.4	1050.1	1025.7	1000.5	993.7
50°	980.7	953.2	918.2	905.2	907.5
52.5°	887.7	852.6	822.1	812.2	823.6
55°	792.3	754.2	722.2	722.9	738.2
57.5°	701.6	661.9	635.2	635.2	655.1
60°	617.7	581.1	554.4	553.6	578.8
62.5°	539.9	502.5	482.7	482.7	505.6
65°	460.6	433.2	420.2	415.6	434.7
67.5°	387.4	368.3	359.2	353.8	366.0
70°	317.2	305.0	301.2	295.1	303.5
72.5°	247.8	244.8	252.4	237.9	241.7
75°	184.5	187.6	194.5	178.4	179.2
77.5°	132.7	138.8	141.1	133.5	133.5
80°	90.7	98.4	95.3	91.5	90.0
82.5°	58.0	61.8	61.8	59.5	58.0
85°	30.5	35.1	33.6	32.8	32.8
87.5°	11.4	16.0	16.0	15.3	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)