

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: P412340

Luminaire Tested: **14PD-55-PB1-L930**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412340  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-55-PB1-L930  
Description: 5500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

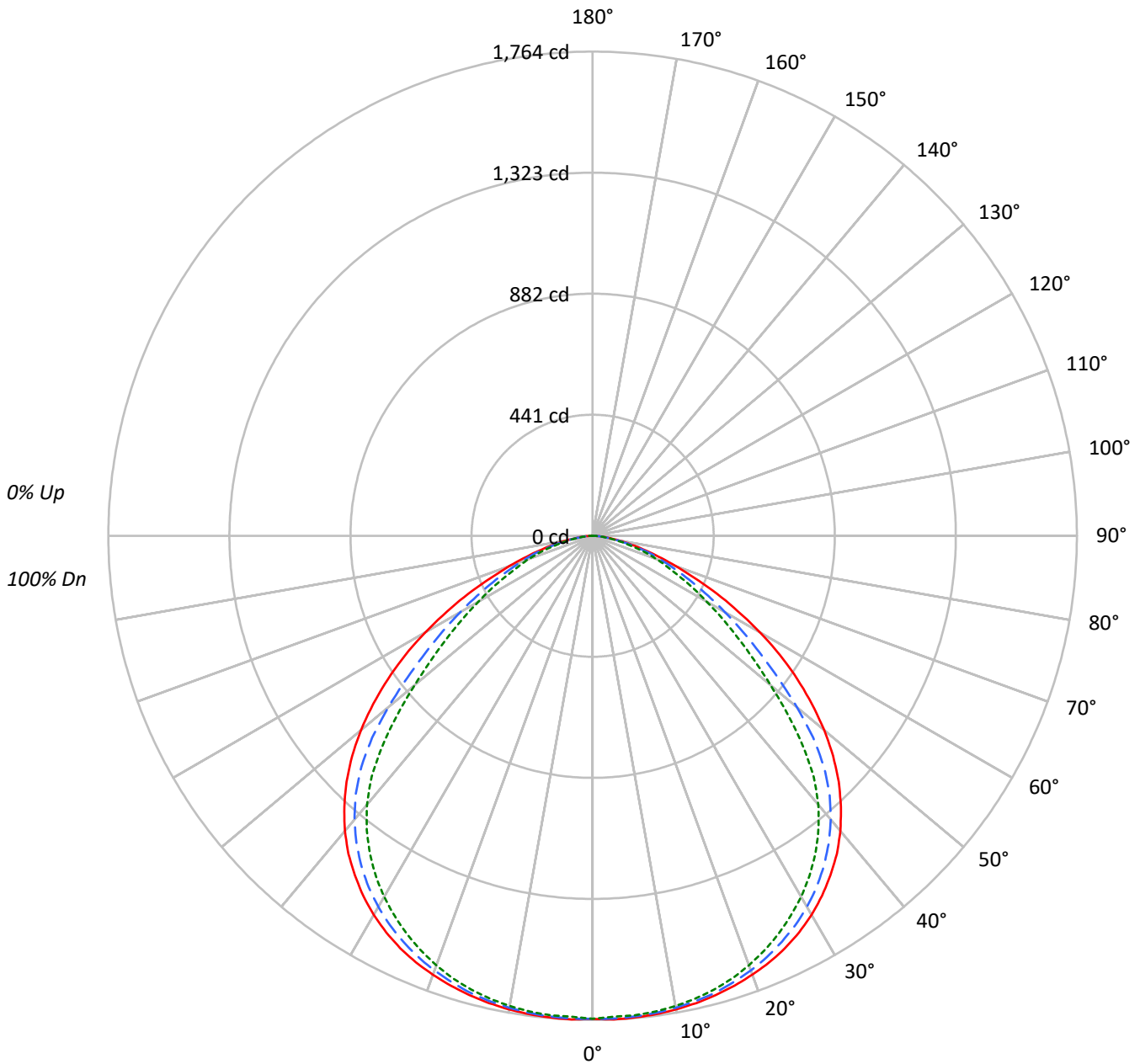
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4536.0 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38  
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<sub>in</sub>): 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

TEST NUMBER: P412340

CATALOG NUMBER: 14PD-55-PB1-L930

### 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	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74																			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63																			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55																			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48																			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42																			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37																			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33																			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30																			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4735	4735	4735
5°	4760	4749	4737
10°	4788	4771	4753
15°	4827	4802	4766
20°	4873	4826	4768
25°	4923	4845	4753
30°	4956	4850	4720
35°	4960	4824	4646
40°	4931	4741	4492
45°	4824	4534	4125
50°	4610	4062	3535
55°	4269	3482	3019
60°	3792	2990	2580
65°	3182	2550	2209
70°	2522	2168	1948
75°	1972	1769	1549
80°	1469	1317	1190
85°	976	858	790



TEST NUMBER: P412340

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	167.3	3.7
10°-20°	486.3	10.7
20°-30°	750.9	16.6
30°-40°	913.9	20.1
40°-50°	904.4	19.9
50°-60°	681.4	15.0
60°-70°	409.5	9.0
70°-80°	184.5	4.1
80°-90°	37.8	0.8
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°	1404.5	31.0
0°-40°	2318.5	51.1
0°-60°	3904.2	86.1
0°-90°	4536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4536.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1760	1760	1760	1760	1760	
5°	1762	1755	1758	1757	1754	168
15°	1733	1724	1724	1717	1711	490
25°	1658	1645	1632	1610	1601	764
35°	1510	1493	1468	1432	1414	944
45°	1268	1246	1191	1118	1084	974
55°	910	846	742	670	644	811
65°	500	453	400	358	347	497
75°	190	180	170	154	149	207
85°	32	32	28	26	26	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1759.7	1759.7	1759.7	1759.7	1759.7
2.5°	1764.2	1756.7	1760.5	1759.7	1753.7
5°	1762.0	1755.2	1758.2	1756.7	1753.7
7.5°	1758.2	1751.4	1753.7	1751.4	1748.4
10°	1752.2	1744.6	1746.2	1741.6	1739.4
12.5°	1743.9	1734.9	1736.4	1730.3	1727.3
15°	1732.6	1724.3	1723.6	1716.8	1710.8
17.5°	1718.3	1710.0	1705.5	1698.0	1691.2
20°	1701.7	1691.2	1685.2	1671.6	1664.9
22.5°	1682.2	1670.9	1661.1	1642.3	1635.5
25°	1658.1	1645.3	1631.7	1609.9	1600.9
27.5°	1628.7	1615.2	1599.4	1575.3	1561.8
30°	1594.9	1580.6	1561.0	1533.2	1518.9
32.5°	1555.0	1539.2	1518.1	1485.0	1469.9
35°	1509.8	1493.3	1468.4	1432.3	1414.2
37.5°	1460.9	1442.1	1412.7	1369.1	1351.0
40°	1403.7	1384.9	1349.5	1299.1	1278.8
42.5°	1339.0	1320.2	1277.2	1217.0	1192.2
45°	1267.5	1245.6	1191.4	1118.4	1083.8
47.5°	1187.7	1159.8	1089.1	999.5	964.9
50°	1101.1	1064.2	970.2	878.3	844.5
52.5°	1007.0	960.4	852.0	770.0	737.6
55°	910.0	846.0	742.1	669.9	643.5
57.5°	809.1	732.3	645.8	582.6	557.7
60°	704.5	630.0	555.5	497.5	479.4
62.5°	597.6	536.6	474.9	421.5	411.7
65°	499.8	453.1	400.4	358.3	347.0
67.5°	401.2	374.8	334.2	305.6	292.8
70°	320.6	303.3	275.5	252.1	247.6
72.5°	250.6	239.3	228.8	208.5	200.2
75°	189.7	179.9	170.1	154.3	149.0
77.5°	137.0	133.2	124.9	114.4	112.1
80°	94.8	94.8	85.0	79.0	76.8
82.5°	58.7	64.0	53.4	49.7	47.4
85°	31.6	32.4	27.8	26.3	25.6
87.5°	12.0	13.5	12.8	10.5	10.5
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)