

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: P412349

Luminaire Tested: **14PD-60-PB1-L930**

Issue Date: 9/15/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P412349  
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-60-PB1-L930  
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

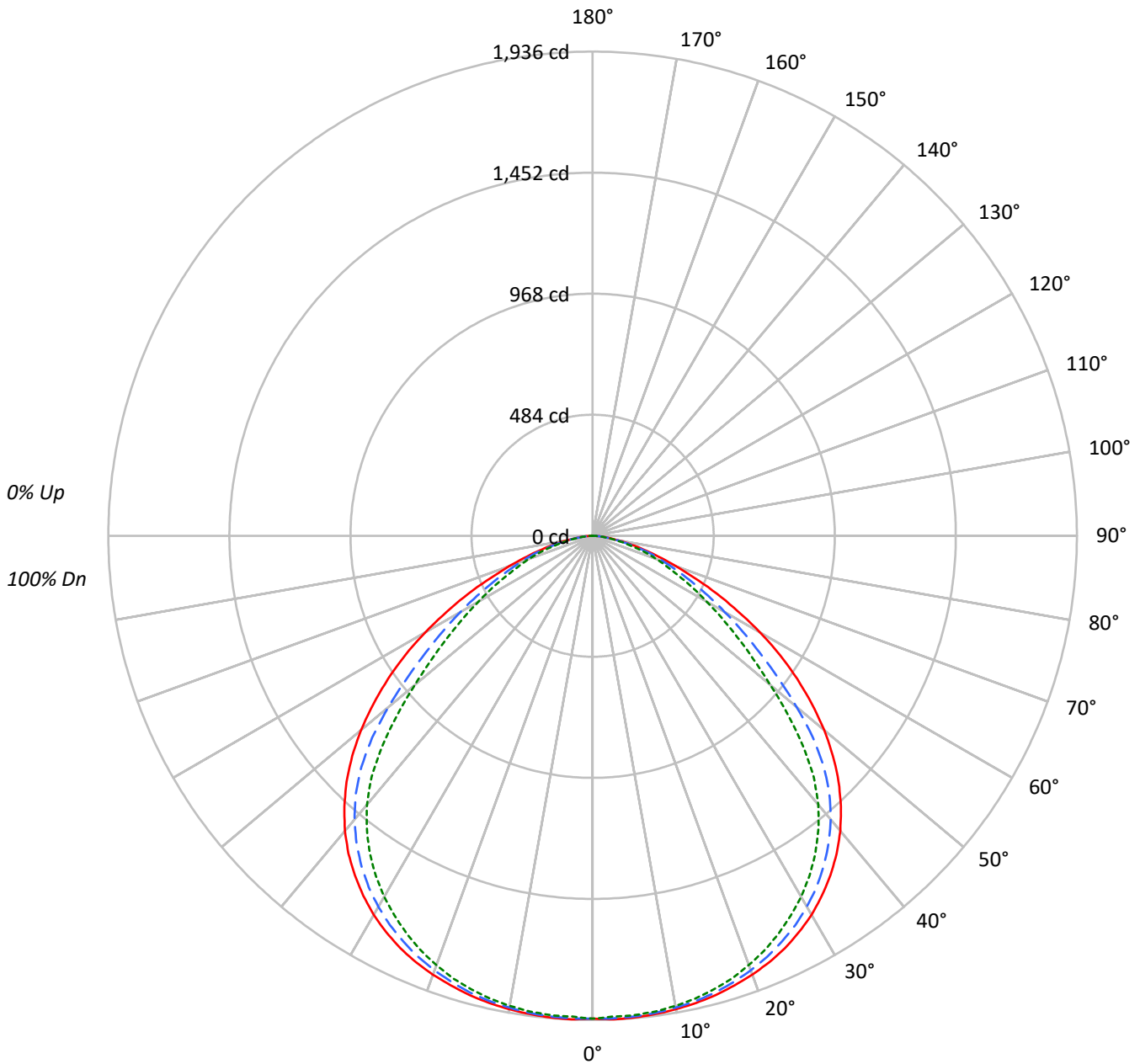
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4977.0 lumens  
Efficiency: N/A  
Efficacy: 83.9 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): 59.3  
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

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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	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°	5196	5196	5196
5°	5222	5211	5198
10°	5253	5235	5215
15°	5296	5268	5229
20°	5347	5295	5231
25°	5402	5316	5215
30°	5437	5322	5178
35°	5442	5293	5097
40°	5410	5201	4929
45°	5292	4975	4526
50°	5058	4456	3879
55°	4684	3820	3313
60°	4160	3280	2831
65°	3491	2797	2424
70°	2768	2378	2138
75°	2164	1940	1700
80°	1613	1446	1305
85°	1071	945	868



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.6	3.7
10°-20°	533.5	10.7
20°-30°	823.9	16.6
30°-40°	1002.8	20.1
40°-50°	992.3	19.9
50°-60°	747.6	15.0
60°-70°	449.3	9.0
70°-80°	202.5	4.1
80°-90°	41.5	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°	1541.1	31.0
0°-40°	2543.9	51.1
0°-60°	4283.8	86.1
0°-90°	4977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4977.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1931	1931	1931	1931	1931	
5°	1933	1926	1929	1928	1924	184
15°	1901	1892	1891	1884	1877	537
25°	1819	1805	1790	1766	1756	839
35°	1657	1638	1611	1572	1552	1036
45°	1391	1367	1307	1227	1189	1069
55°	998	928	814	735	706	889
65°	548	497	439	393	381	545
75°	208	197	187	169	164	227
85°	35	36	31	29	28	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1930.8	1930.8	1930.8	1930.8	1930.8
2.5°	1935.7	1927.5	1931.6	1930.8	1924.2
5°	1933.3	1925.8	1929.1	1927.5	1924.2
7.5°	1929.1	1921.7	1924.2	1921.7	1918.4
10°	1922.5	1914.3	1915.9	1911.0	1908.5
12.5°	1913.4	1903.5	1905.2	1898.6	1895.3
15°	1901.1	1892.0	1891.1	1883.7	1877.1
17.5°	1885.4	1876.3	1871.3	1863.1	1855.6
20°	1867.2	1855.6	1849.0	1834.2	1826.7
22.5°	1845.7	1833.3	1822.6	1802.0	1794.5
25°	1819.3	1805.3	1790.4	1766.4	1756.5
27.5°	1787.1	1772.2	1754.9	1728.5	1713.6
30°	1749.9	1734.2	1712.8	1682.2	1666.5
32.5°	1706.2	1688.8	1665.7	1629.4	1612.8
35°	1656.6	1638.4	1611.2	1571.5	1551.7
37.5°	1602.9	1582.3	1550.1	1502.2	1482.4
40°	1540.2	1519.5	1480.7	1425.4	1403.1
42.5°	1469.1	1448.5	1401.4	1335.4	1308.1
45°	1390.7	1366.7	1307.3	1227.2	1189.2
47.5°	1303.2	1272.6	1195.0	1096.7	1058.7
50°	1208.2	1167.7	1064.5	963.7	926.6
52.5°	1105.0	1053.8	934.8	844.8	809.3
55°	998.4	928.2	814.3	735.0	706.1
57.5°	887.8	803.5	708.6	639.2	611.9
60°	773.0	691.2	609.5	545.9	526.1
62.5°	655.7	588.8	521.1	462.5	451.7
65°	548.3	497.1	439.3	393.1	380.7
67.5°	440.2	411.3	366.7	335.3	321.2
70°	351.8	332.8	302.3	276.7	271.7
72.5°	275.0	262.6	251.1	228.8	219.7
75°	208.1	197.4	186.6	169.3	163.5
77.5°	150.3	146.2	137.1	125.5	123.0
80°	104.1	104.1	93.3	86.7	84.2
82.5°	64.4	70.2	58.6	54.5	52.0
85°	34.7	35.5	30.6	28.9	28.1
87.5°	13.2	14.9	14.0	11.6	11.6
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)