

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: P412907

Luminaire Tested: **24PD-70-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-70-PP3-L930
Description: 7000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

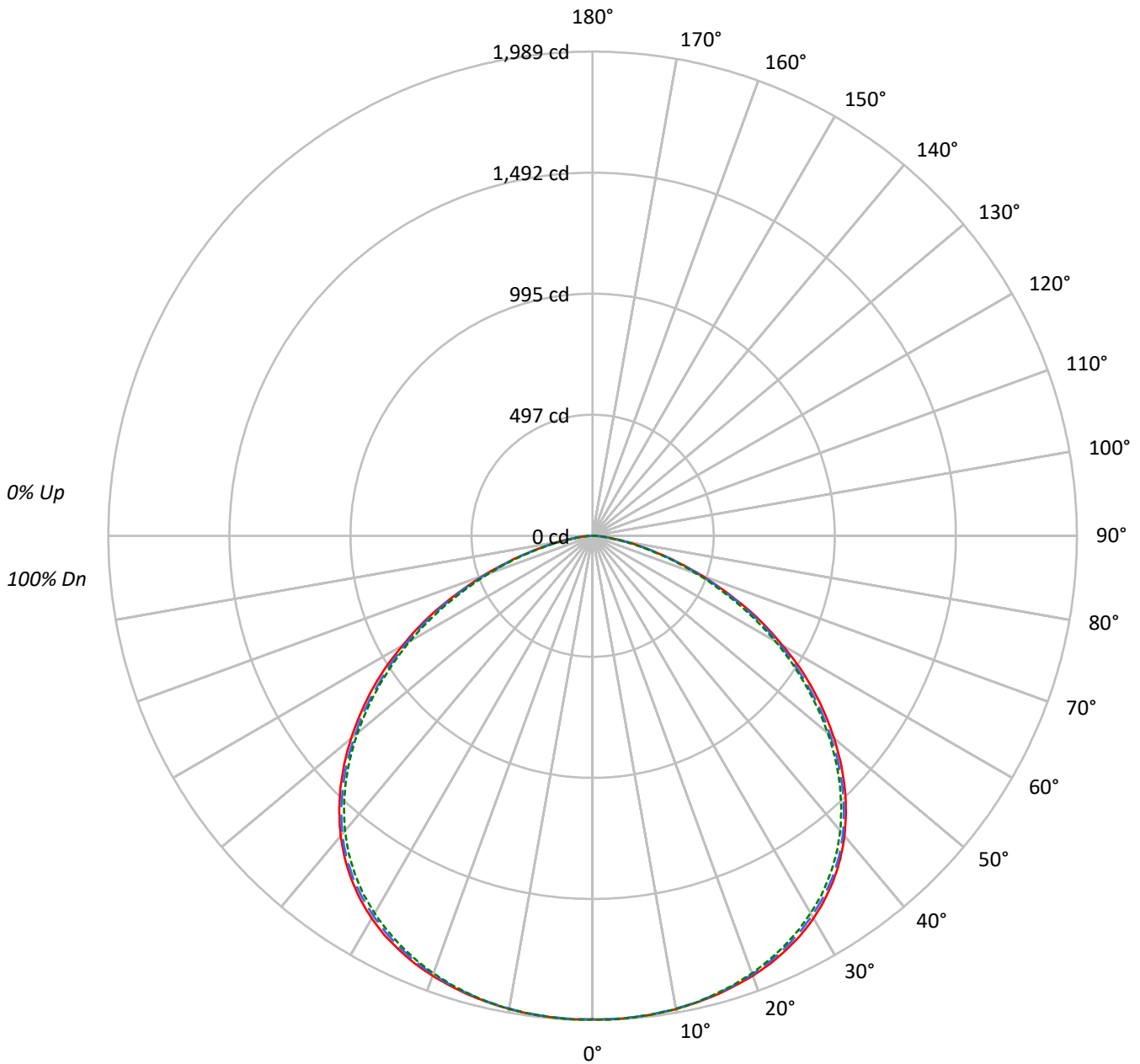
Lumens per Lamp: N/A
Luminaire Lumens: 5782.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.5
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2674	2674	2674
5°	2681	2680	2682
10°	2698	2694	2697
15°	2721	2717	2716
20°	2754	2745	2739
25°	2789	2774	2761
30°	2820	2800	2782
35°	2835	2818	2792
40°	2827	2810	2779
45°	2787	2760	2729
50°	2710	2667	2639
55°	2598	2536	2503
60°	2421	2379	2331
65°	2195	2151	2088
70°	1873	1839	1780
75°	1463	1448	1379
80°	1079	1034	976
85°	651	651	607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.0	3.3
10°-20°	551.7	9.5
20°-30°	862.3	14.9
30°-40°	1071.6	18.5
40°-50°	1116.6	19.3
50°-60°	968.9	16.8
60°-70°	666.2	11.5
70°-80°	300.6	5.2
80°-90°	55.1	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°	1603.0	27.7
0°-40°	2674.6	46.3
0°-60°	4760.1	82.3
0°-90°	5782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5782.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1985	1985	1984	1982	1985	189
15°	1954	1954	1951	1949	1950	553
25°	1878	1878	1869	1861	1860	867
35°	1726	1726	1716	1706	1700	1078
45°	1465	1465	1450	1439	1434	1127
55°	1108	1101	1081	1068	1067	987
65°	689	686	676	659	656	680
75°	281	283	278	271	265	306
85°	42	42	42	42	39	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1987.1	1987.1	1987.1	1987.1	<i>1987.1</i>
2.5°	<i>1987.7</i>	<i>1987.7</i>	<i>1986.5</i>	<i>1984.8</i>	<i>1988.8</i>
5°	1984.8	1985.4	1984.2	1982.5	<i>1985.4</i>
7.5°	1980.7	1981.3	1979.6	1977.9	<i>1980.2</i>
10°	1974.4	1973.8	1972.1	1970.9	<i>1973.8</i>
12.5°	1965.1	1964.6	1962.8	1961.7	<i>1964.0</i>
15°	1953.6	1953.6	1950.7	1949.0	<i>1949.5</i>
17.5°	1939.7	1939.7	1935.7	1931.6	<i>1932.8</i>
20°	1923.5	1923.0	1917.2	1913.1	<i>1912.6</i>
22.5°	1903.3	1903.3	1895.2	1890.0	<i>1888.3</i>
25°	1878.5	1877.9	1868.7	1861.1	<i>1860.0</i>
27.5°	1850.2	1849.0	1838.0	1830.5	<i>1827.6</i>
30°	1814.9	1813.8	1802.2	1794.1	<i>1790.6</i>
32.5°	1773.3	1775.0	1761.8	1752.5	<i>1749.0</i>
35°	1725.9	1725.9	1715.5	1705.7	<i>1699.9</i>
37.5°	1671.6	1671.6	1661.8	1652.0	<i>1645.0</i>
40°	1609.8	1610.4	1600.0	1587.8	<i>1582.1</i>
42.5°	1540.5	1541.6	1527.7	1517.9	<i>1511.6</i>
45°	1464.8	1465.3	1450.3	1439.3	<i>1434.1</i>
47.5°	1382.7	1381.6	1364.8	1355.6	<i>1350.4</i>
50°	1294.9	1292.6	1274.1	1265.4	<i>1260.8</i>
52.5°	1203.0	1198.4	1182.2	1169.5	<i>1165.5</i>
55°	1107.7	1101.3	1081.1	1068.4	<i>1067.2</i>
57.5°	1008.3	1000.8	984.0	971.9	<i>967.3</i>
60°	899.7	897.9	884.1	869.6	<i>866.1</i>
62.5°	798.0	792.8	780.6	763.3	<i>761.6</i>
65°	689.3	686.4	675.5	659.3	<i>655.8</i>
67.5°	577.2	580.1	570.9	556.4	<i>551.8</i>
70°	476.1	477.9	467.5	454.2	<i>452.4</i>
72.5°	374.4	377.3	368.6	360.0	<i>358.2</i>
75°	281.4	282.6	278.5	271.0	<i>265.2</i>
77.5°	199.9	204.0	199.3	194.1	<i>189.5</i>
80°	139.3	132.9	133.5	131.2	<i>126.0</i>
82.5°	83.8	80.9	80.3	78.0	<i>75.7</i>
85°	42.2	41.6	42.2	41.6	<i>39.3</i>
87.5°	13.9	15.0	15.6	15.6	<i>14.4</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



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— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)