

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: P413117

Luminaire Tested: **22PD-60-PC3-L950**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P413117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PC3-L950
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

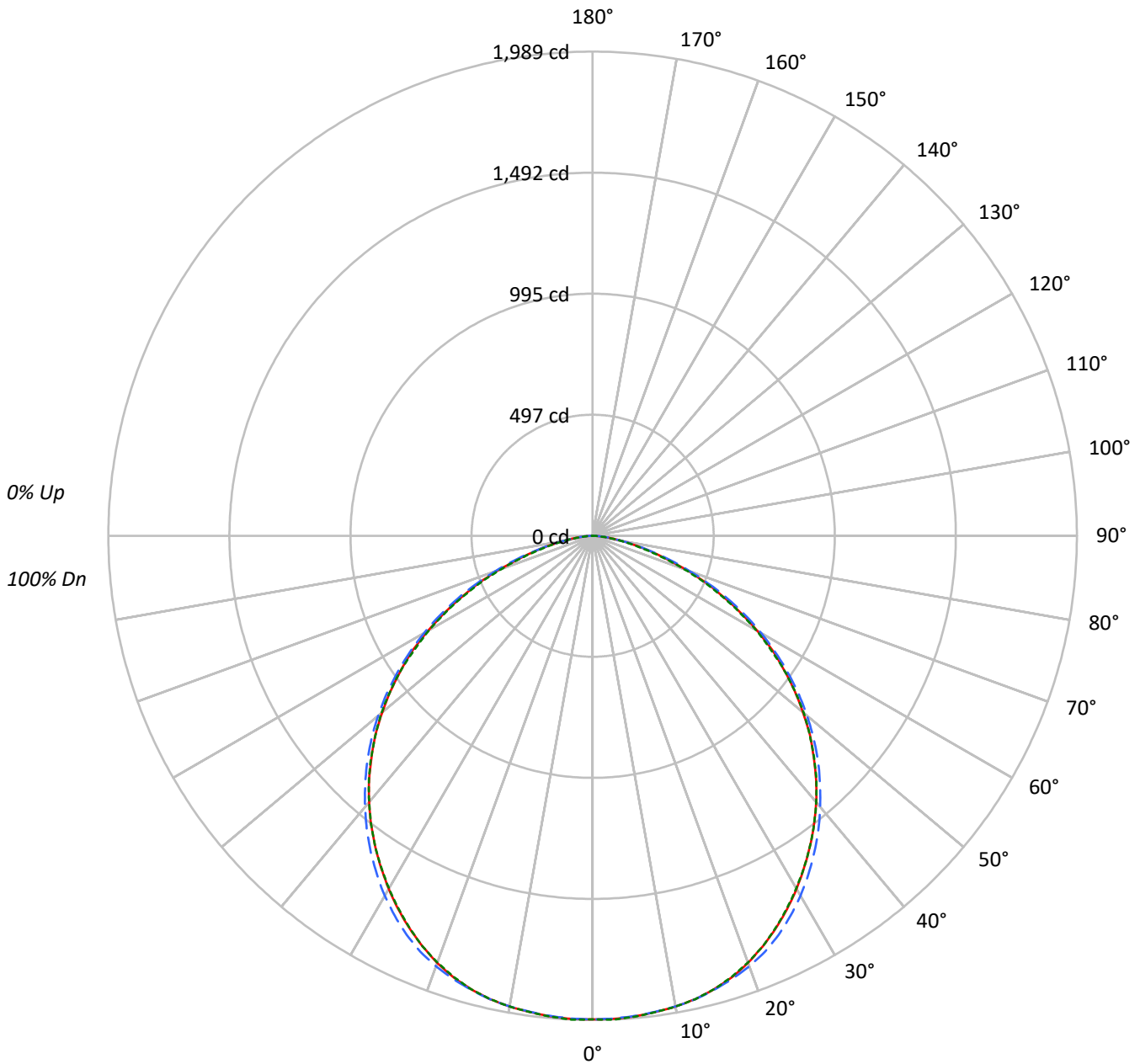
Lumens per Lamp: N/A
Luminaire Lumens: 5337.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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

TEST NUMBER: P413117

CATALOG NUMBER: 22PD-60-PC3-L950

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				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				100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72				72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61				61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52				52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31				31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5346	5346	5346
5°	5353	5349	5356
10°	5366	5365	5366
15°	5373	5380	5371
20°	5345	5389	5342
25°	5283	5369	5279
30°	5205	5307	5197
35°	5115	5216	5115
40°	5019	5108	5019
45°	4886	4983	4894
50°	4719	4812	4738
55°	4500	4589	4500
60°	4196	4302	4169
65°	3766	3899	3718
70°	3222	3336	3127
75°	2556	2628	2425
80°	1832	1900	1743
85°	1210	1247	1130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.5	3.5
10°-20°	544.5	10.2
20°-30°	826.0	15.5
30°-40°	986.5	18.5
40°-50°	1003.2	18.8
50°-60°	867.8	16.3
60°-70°	597.1	11.2
70°-80°	271.0	5.1
80°-90°	52.5	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°	1559.0	29.2
0°-40°	2545.4	47.7
0°-60°	4416.4	82.8
0°-90°	5337.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5337.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1982	1980	1980	1980	1983	189
15°	1928	1930	1931	1928	1928	544
25°	1779	1795	1808	1792	1778	820
35°	1557	1585	1588	1582	1557	974
45°	1284	1307	1309	1308	1286	990
55°	959	976	978	976	959	857
65°	591	608	612	607	584	587
75°	246	255	253	250	233	264
85°	39	42	40	39	37	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1986.6	1986.6	1986.6	1986.6	<i>1986.6</i>
2.5°	<i>1986.6</i>	<i>1984.1</i>	<i>1984.7</i>	<i>1985.4</i>	<i>1989.2</i>
5°	1981.6	1979.7	1980.3	1980.3	<i>1982.8</i>
7.5°	1973.4	1972.7	1972.7	1972.1	<i>1974.0</i>
10°	1963.9	1962.6	1963.3	1962.6	<i>1963.9</i>
12.5°	1949.4	1949.4	1950.0	1948.1	<i>1949.4</i>
15°	1928.5	1929.8	1931.0	1927.9	<i>1927.9</i>
17.5°	1902.0	1905.1	1908.3	1902.6	<i>1899.4</i>
20°	1866.6	1874.2	1881.7	1872.9	<i>1865.3</i>
22.5°	1825.5	1838.1	1849.5	1835.6	<i>1825.5</i>
25°	1779.4	1795.2	1808.4	1792.0	<i>1778.1</i>
27.5°	1729.5	1747.2	1759.8	1745.9	<i>1726.9</i>
30°	1675.1	1696.6	1708.0	1694.7	<i>1672.6</i>
32.5°	1617.0	1642.3	1649.2	1641.0	<i>1615.7</i>
35°	1557.0	1584.8	1587.9	1582.2	<i>1557.0</i>
37.5°	1494.4	1520.9	1523.5	1520.3	<i>1494.4</i>
40°	1428.7	1453.3	1454.0	1454.0	<i>1428.7</i>
42.5°	1358.5	1382.6	1382.6	1381.9	<i>1360.4</i>
45°	1284.0	1307.4	1309.3	1308.0	<i>1285.9</i>
47.5°	1210.1	1227.7	1230.9	1228.4	<i>1208.8</i>
50°	1127.3	1145.6	1149.4	1146.9	<i>1131.7</i>
52.5°	1045.1	1062.2	1066.0	1064.1	<i>1047.0</i>
55°	959.2	975.6	978.2	976.3	<i>959.2</i>
57.5°	876.4	887.2	889.7	885.9	<i>864.4</i>
60°	779.7	794.9	799.3	794.9	<i>774.7</i>
62.5°	686.2	702.7	706.4	700.1	<i>678.6</i>
65°	591.4	607.9	612.3	607.2	<i>583.9</i>
67.5°	501.7	513.7	517.5	511.8	<i>490.3</i>
70°	409.5	424.6	424.0	416.4	<i>397.5</i>
72.5°	318.5	339.3	335.5	331.1	<i>310.3</i>
75°	245.8	255.3	252.8	250.2	<i>233.2</i>
77.5°	175.7	187.0	180.7	181.4	<i>166.8</i>
80°	118.2	128.9	122.6	120.1	<i>112.5</i>
82.5°	75.2	79.6	78.4	77.1	<i>70.1</i>
85°	39.2	41.7	40.4	39.2	<i>36.6</i>
87.5°	15.2	16.4	15.2	15.2	<i>13.9</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)