

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: P413116

Luminaire Tested: **22PD-60-PC3-L940**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P413116
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-L940
Description: 6000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

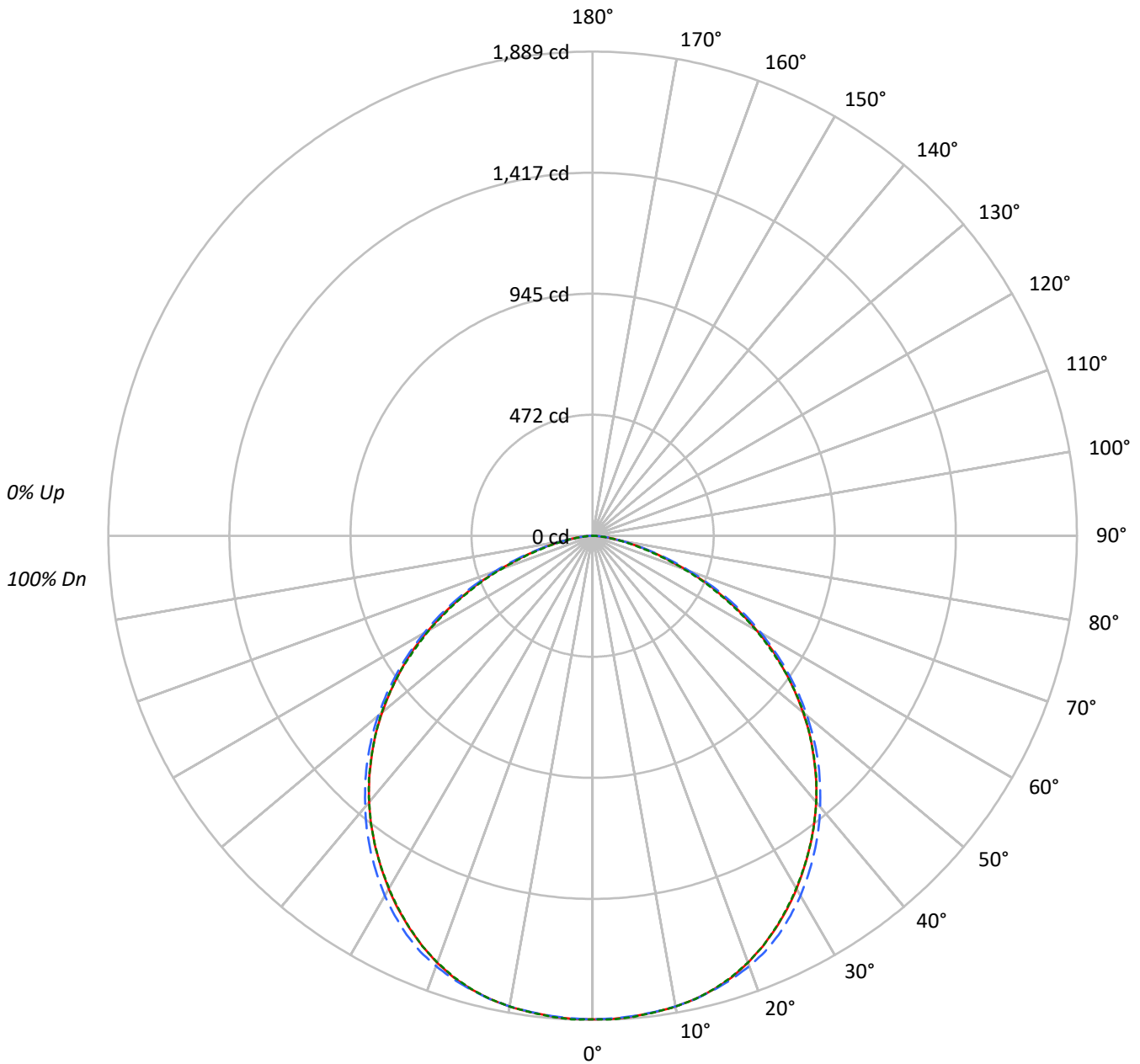
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5068.0 lumens
Efficiency: N/A
Efficacy: 96.5 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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5077	5077	5077
5°	5083	5080	5086
10°	5096	5094	5096
15°	5102	5109	5100
20°	5076	5117	5072
25°	5017	5099	5013
30°	4943	5040	4935
35°	4857	4954	4857
40°	4766	4850	4766
45°	4640	4732	4647
50°	4482	4569	4499
55°	4274	4358	4274
60°	3985	4085	3959
65°	3576	3702	3530
70°	3059	3168	2969
75°	2427	2495	2302
80°	1739	1804	1655
85°	1149	1186	1074



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	3.5
10°-20°	517.0	10.2
20°-30°	784.4	15.5
30°-40°	936.8	18.5
40°-50°	952.7	18.8
50°-60°	824.0	16.3
60°-70°	567.0	11.2
70°-80°	257.3	5.1
80°-90°	49.8	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°	1480.4	29.2
0°-40°	2417.1	47.7
0°-60°	4193.9	82.8
0°-90°	5068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5068.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1886	1886	1886	1886	1886	
5°	1882	1880	1880	1880	1883	179
15°	1831	1832	1834	1831	1831	517
25°	1690	1705	1717	1702	1688	778
35°	1478	1505	1508	1502	1478	925
45°	1219	1242	1243	1242	1221	940
55°	911	926	929	927	911	814
65°	562	577	581	577	554	557
75°	233	242	240	238	221	251
85°	37	40	38	37	35	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1886.5	1886.5	1886.5	1886.5	<i>1886.5</i>
2.5°	<i>1886.5</i>	<i>1884.1</i>	<i>1884.7</i>	<i>1885.3</i>	<i>1888.9</i>
5°	1881.7	1879.9	1880.5	1880.5	<i>1882.9</i>
7.5°	1873.9	1873.3	1873.3	1872.7	<i>1874.5</i>
10°	1864.9	1863.7	1864.3	1863.7	<i>1864.9</i>
12.5°	1851.1	1851.1	1851.7	1849.9	<i>1851.1</i>
15°	1831.3	1832.5	1833.7	1830.7	<i>1830.7</i>
17.5°	1806.1	1809.1	1812.1	1806.7	<i>1803.7</i>
20°	1772.5	1779.7	1786.9	1778.5	<i>1771.3</i>
22.5°	1733.5	1745.5	1756.3	1743.1	<i>1733.5</i>
25°	1689.7	1704.7	1717.3	1701.7	<i>1688.5</i>
27.5°	1642.3	1659.1	1671.1	1657.9	<i>1639.9</i>
30°	1590.7	1611.1	1621.9	1609.3	<i>1588.3</i>
32.5°	1535.5	1559.5	1566.1	1558.3	<i>1534.3</i>
35°	1478.5	1504.9	1507.9	1502.5	<i>1478.5</i>
37.5°	1419.1	1444.3	1446.7	1443.7	<i>1419.1</i>
40°	1356.7	1380.1	1380.7	1380.7	<i>1356.7</i>
42.5°	1290.1	1312.9	1312.9	1312.3	<i>1291.9</i>
45°	1219.3	1241.5	1243.3	1242.1	<i>1221.1</i>
47.5°	1149.1	1165.9	1168.9	1166.5	<i>1147.9</i>
50°	1070.5	1087.9	1091.5	1089.1	<i>1074.7</i>
52.5°	992.5	1008.7	1012.3	1010.5	<i>994.3</i>
55°	910.9	926.5	928.9	927.1	<i>910.9</i>
57.5°	832.2	842.4	844.8	841.2	<i>820.8</i>
60°	740.4	754.8	759.0	754.8	<i>735.6</i>
62.5°	651.6	667.2	670.8	664.8	<i>644.4</i>
65°	561.6	577.2	581.4	576.6	<i>554.4</i>
67.5°	476.4	487.8	491.4	486.0	<i>465.6</i>
70°	388.8	403.2	402.6	395.4	<i>377.4</i>
72.5°	302.4	322.2	318.6	314.4	<i>294.6</i>
75°	233.4	242.4	240.0	237.6	<i>221.4</i>
77.5°	166.8	177.6	171.6	172.2	<i>158.4</i>
80°	112.2	122.4	116.4	114.0	<i>106.8</i>
82.5°	71.4	75.6	74.4	73.2	<i>66.6</i>
85°	37.2	39.6	38.4	37.2	<i>34.8</i>
87.5°	14.4	15.6	14.4	14.4	<i>13.2</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)