

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: P412693

Luminaire Tested: **14PD-60-PP3-L940**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412693
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: 14PD-60-PP3-L940
Description: 6000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

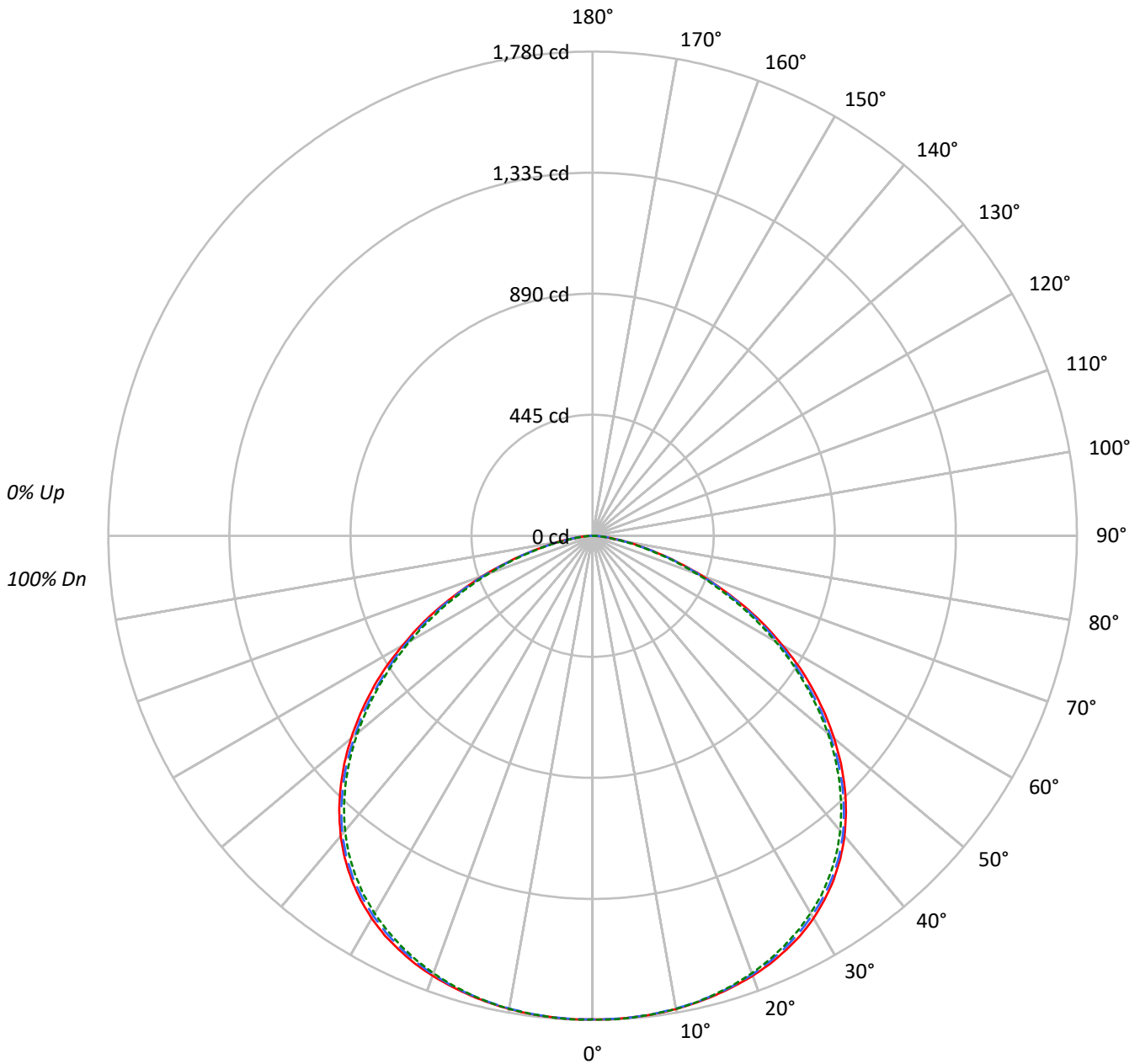
Lumens per Lamp: N/A
Luminaire Lumens: 5174.0 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
Input Voltage (V): NR
Input Current (A_{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°	4785	4785	4785
5°	4798	4796	4799
10°	4828	4822	4826
15°	4870	4863	4860
20°	4929	4913	4901
25°	4991	4965	4942
30°	5047	5011	4979
35°	5073	5043	4997
40°	5060	5029	4973
45°	4988	4939	4884
50°	4851	4773	4723
55°	4650	4539	4480
60°	4333	4258	4172
65°	3927	3848	3737
70°	3353	3291	3186
75°	2618	2591	2467
80°	1931	1850	1746
85°	1164	1164	1087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.2	3.3
10°-20°	493.7	9.5
20°-30°	771.6	14.9
30°-40°	958.9	18.5
40°-50°	999.2	19.3
50°-60°	867.0	16.8
60°-70°	596.2	11.5
70°-80°	269.0	5.2
80°-90°	49.3	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°	1434.4	27.7
0°-40°	2393.4	46.3
0°-60°	4259.5	82.3
0°-90°	5174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1778	1778	1778	1778	1778	
5°	1776	1777	1776	1774	1777	169
15°	1748	1748	1746	1744	1744	494
25°	1681	1680	1672	1665	1664	775
35°	1544	1544	1535	1526	1521	965
45°	1311	1311	1298	1288	1283	1009
55°	991	986	967	956	955	883
65°	617	614	604	590	587	609
75°	252	253	249	242	237	274
85°	38	37	38	37	35	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1778.2	1778.2	1778.2	1778.2	1778.2
2.5°	1778.7	1778.7	1777.6	1776.1	1779.7
5°	1776.1	1776.6	1775.6	1774.0	1776.6
7.5°	1772.5	1773.0	1771.4	1769.9	1771.9
10°	1766.8	1766.3	1764.7	1763.7	1766.3
12.5°	1758.5	1758.0	1756.4	1755.4	1757.5
15°	1748.2	1748.2	1745.6	1744.0	1744.5
17.5°	1735.8	1735.8	1732.1	1728.5	1729.5
20°	1721.3	1720.8	1715.6	1712.0	1711.5
22.5°	1703.2	1703.2	1695.9	1691.3	1689.7
25°	1680.9	1680.4	1672.2	1665.4	1664.4
27.5°	1655.6	1654.6	1644.8	1638.0	1635.4
30°	1624.1	1623.0	1612.7	1605.5	1602.4
32.5°	1586.8	1588.4	1576.5	1568.2	1565.1
35°	1544.4	1544.4	1535.1	1526.3	1521.2
37.5°	1495.8	1495.8	1487.1	1478.3	1472.1
40°	1440.5	1441.0	1431.7	1420.9	1415.7
42.5°	1378.5	1379.5	1367.1	1358.3	1352.6
45°	1310.7	1311.3	1297.8	1288.0	1283.3
47.5°	1237.3	1236.3	1221.3	1213.0	1208.4
50°	1158.7	1156.7	1140.1	1132.4	1128.2
52.5°	1076.5	1072.4	1057.9	1046.5	1042.9
55°	991.2	985.5	967.4	956.0	955.0
57.5°	902.3	895.5	880.5	869.7	865.6
60°	805.1	803.5	791.1	778.2	775.1
62.5°	714.1	709.4	698.5	683.0	681.5
65°	616.8	614.3	604.4	590.0	586.9
67.5°	516.5	519.1	510.9	497.9	493.8
70°	426.1	427.6	418.3	406.4	404.9
72.5°	335.1	337.6	329.9	322.1	320.6
75°	251.8	252.8	249.2	242.5	237.3
77.5°	178.9	182.5	178.4	173.7	169.6
80°	124.6	118.9	119.4	117.4	112.7
82.5°	75.0	72.4	71.9	69.8	67.7
85°	37.7	37.2	37.7	37.2	35.2
87.5°	12.4	13.4	14.0	14.0	12.9
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)