

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: P412334

Luminaire Tested: **14PD-50-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412334
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-50-PB1-L950
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

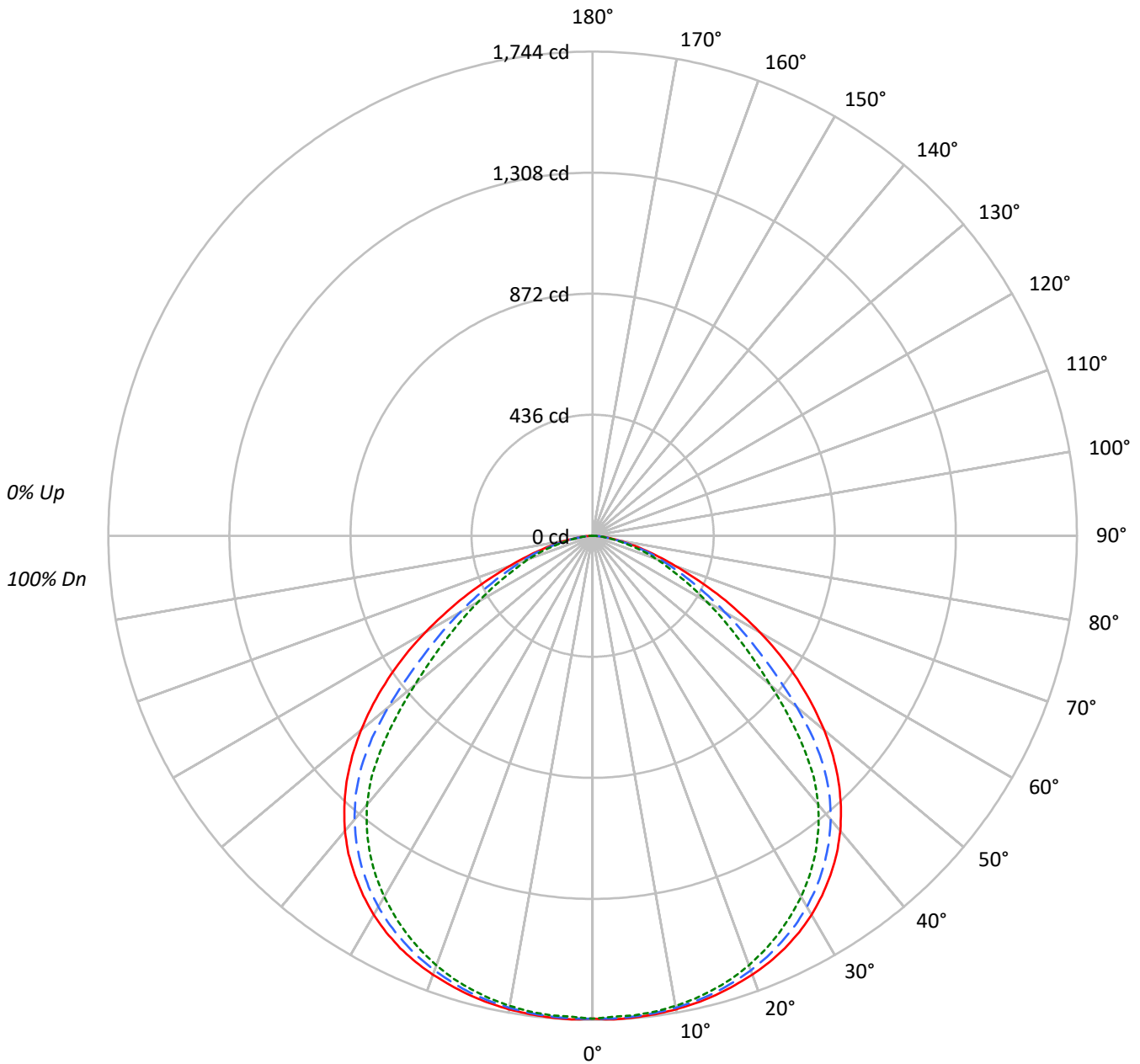
Lumens per Lamp: N/A
Luminaire Lumens: 4484.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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	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°	4681	4681	4681
5°	4705	4695	4683
10°	4733	4717	4698
15°	4771	4747	4712
20°	4817	4771	4713
25°	4867	4789	4699
30°	4899	4795	4665
35°	4903	4769	4593
40°	4874	4686	4441
45°	4768	4482	4077
50°	4557	4015	3495
55°	4220	3442	2984
60°	3748	2955	2551
65°	3145	2520	2184
70°	2494	2142	1926
75°	1949	1748	1531
80°	1452	1303	1176
85°	963	849	781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.4	3.7
10°-20°	480.7	10.7
20°-30°	742.3	16.6
30°-40°	903.4	20.1
40°-50°	894.0	19.9
50°-60°	673.6	15.0
60°-70°	404.8	9.0
70°-80°	182.4	4.1
80°-90°	37.3	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°	1388.4	31.0
0°-40°	2291.9	51.1
0°-60°	3859.4	86.1
0°-90°	4484.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4484.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1740	1740	1740	1740	1740	
5°	1742	1735	1738	1737	1734	166
15°	1713	1705	1704	1697	1691	484
25°	1639	1626	1613	1592	1582	756
35°	1492	1476	1452	1416	1398	933
45°	1253	1231	1178	1106	1071	963
55°	900	836	734	662	636	801
65°	494	448	396	354	343	491
75°	188	178	168	152	147	204
85°	31	32	28	26	25	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1739.5	1739.5	1739.5	1739.5	1739.5
2.5°	1744.0	1736.6	1740.3	1739.5	1733.6
5°	1741.8	1735.1	1738.0	1736.6	1733.6
7.5°	1738.0	1731.3	1733.6	1731.3	1728.4
10°	1732.1	1724.6	1726.1	1721.7	1719.4
12.5°	1723.9	1715.0	1716.5	1710.5	1707.5
15°	1712.7	1704.6	1703.8	1697.1	1691.2
17.5°	1698.6	1690.4	1686.0	1678.5	1671.8
20°	1682.2	1671.8	1665.9	1652.5	1645.8
22.5°	1662.9	1651.7	1642.1	1623.5	1616.8
25°	1639.1	1626.4	1613.0	1591.5	1582.5
27.5°	1610.1	1596.7	1581.0	1557.2	1543.8
30°	1576.6	1562.4	1543.1	1515.6	1501.4
32.5°	1537.2	1521.5	1500.7	1468.0	1453.1
35°	1492.5	1476.1	1451.6	1415.9	1398.0
37.5°	1444.1	1425.5	1396.5	1353.4	1335.5
40°	1387.6	1369.0	1334.0	1284.2	1264.1
42.5°	1323.6	1305.0	1262.6	1203.1	1178.5
45°	1252.9	1231.4	1177.8	1105.6	1071.4
47.5°	1174.1	1146.5	1076.6	988.1	953.8
50°	1088.5	1052.0	959.0	868.3	834.8
52.5°	995.5	949.4	842.2	761.1	729.1
55°	899.5	836.3	733.6	662.2	636.1
57.5°	799.8	723.9	638.4	575.9	551.3
60°	696.4	622.7	549.1	491.8	473.9
62.5°	590.8	530.5	469.5	416.7	407.0
65°	494.0	447.9	395.8	354.2	343.0
67.5°	396.6	370.5	330.3	302.1	289.4
70°	317.0	299.8	272.3	249.2	244.8
72.5°	247.8	236.6	226.2	206.1	197.9
75°	187.5	177.8	168.1	152.5	147.3
77.5°	135.4	131.7	123.5	113.1	110.9
80°	93.7	93.7	84.1	78.1	75.9
82.5°	58.0	63.2	52.8	49.1	46.9
85°	31.2	32.0	27.5	26.0	25.3
87.5°	11.9	13.4	12.6	10.4	10.4
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)