

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: P412532

Luminaire Tested: **24PD-50-PB1-L950**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-45)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-50-PB1-L950
Description: 5000 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

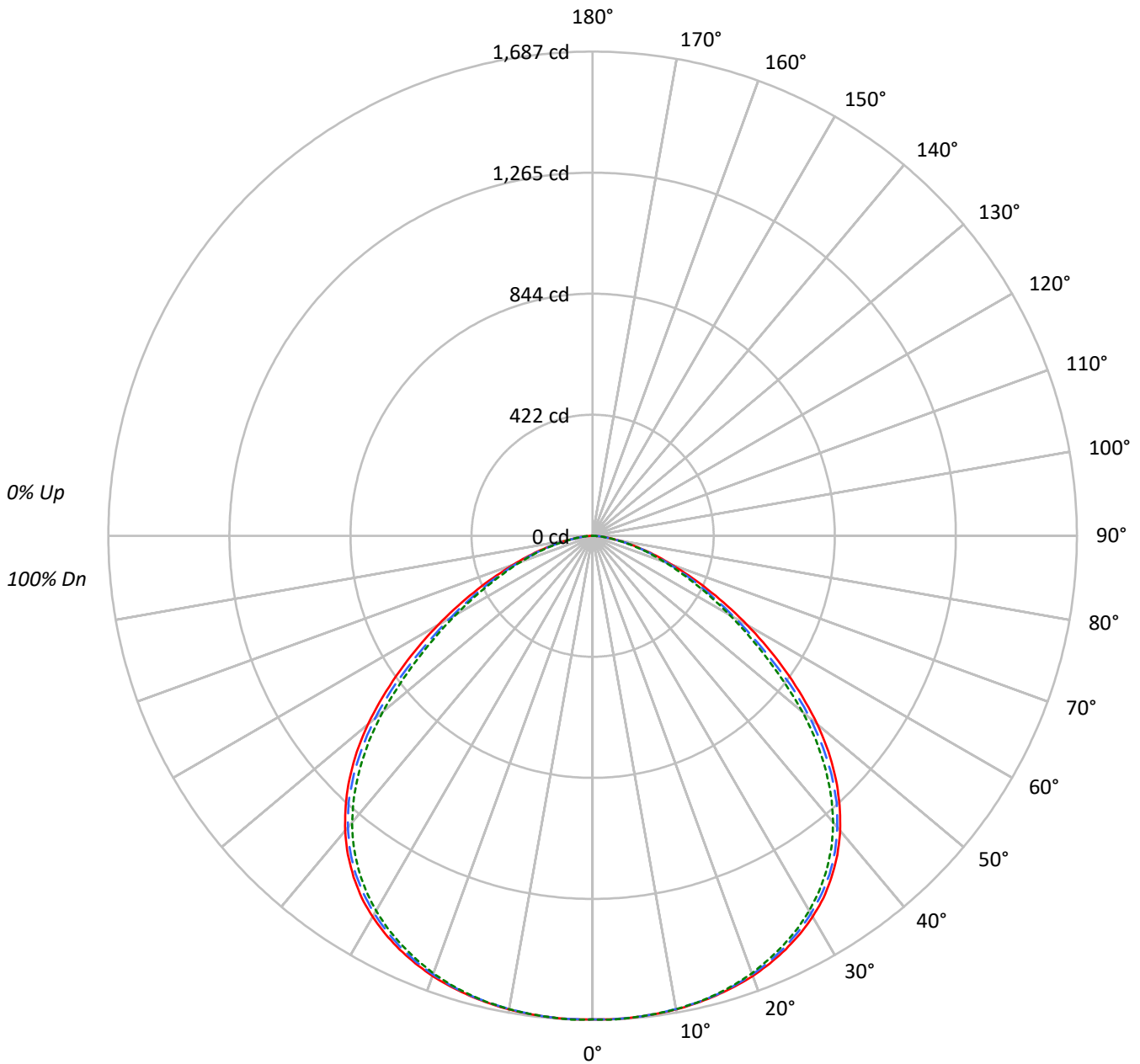
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4484.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.32 / 1.41
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.1
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	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86																			
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73																			
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63																			
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47																			
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41																			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37																			
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33																			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30																			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2267	2267	2267
5°	2275	2275	2275
10°	2290	2288	2288
15°	2311	2308	2306
20°	2337	2329	2323
25°	2361	2349	2336
30°	2381	2362	2344
35°	2384	2364	2334
40°	2357	2329	2290
45°	2280	2238	2181
50°	2138	2072	1996
55°	1921	1807	1733
60°	1673	1540	1481
65°	1408	1302	1246
70°	1148	1089	1045
75°	920	887	850
80°	706	651	633
85°	442	428	428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.4	3.6
10°-20°	468.3	10.4
20°-30°	729.5	16.3
30°-40°	897.5	20.0
40°-50°	901.5	20.1
50°-60°	694.8	15.5
60°-70°	412.5	9.2
70°-80°	183.7	4.1
80°-90°	35.9	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°	1358.3	30.3
0°-40°	2255.7	50.3
0°-60°	3852.0	85.9
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°	1685	1685	1685	1685	1685	
5°	1684	1685	1684	1682	1684	161
15°	1659	1659	1657	1654	1655	469
25°	1590	1590	1582	1575	1574	733
35°	1452	1449	1439	1427	1421	906
45°	1198	1195	1176	1157	1146	920
55°	819	804	770	747	739	732
65°	442	423	409	394	391	442
75°	177	173	171	165	164	191
85°	29	27	28	26	28	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1685.1	1685.1	1685.1	1685.1	1685.1
2.5°	1686.0	1685.6	1685.6	1683.8	1687.4
5°	1684.3	1684.7	1684.3	1682.5	1684.3
7.5°	1680.7	1681.1	1680.2	1678.4	1680.2
10°	1676.2	1676.2	1674.4	1673.5	1674.9
12.5°	1668.6	1668.6	1666.8	1665.5	1666.8
15°	1658.8	1658.8	1656.6	1653.9	1655.2
17.5°	1646.7	1646.7	1643.2	1639.6	1640.5
20°	1632.0	1631.5	1626.6	1621.7	1622.2
22.5°	1613.2	1612.8	1606.5	1600.7	1598.9
25°	1590.5	1590.0	1582.4	1575.3	1573.5
27.5°	1564.1	1562.3	1553.8	1545.8	1544.0
30°	1532.8	1531.5	1520.3	1512.3	1508.7
32.5°	1496.7	1493.1	1482.8	1473.0	1468.1
35°	1451.6	1449.3	1439.0	1427.0	1421.2
37.5°	1400.6	1398.4	1387.2	1373.8	1367.1
40°	1341.7	1339.9	1326.1	1312.2	1303.7
42.5°	1273.8	1272.5	1257.7	1238.5	1229.6
45°	1198.3	1195.2	1176.4	1156.8	1146.1
47.5°	1114.3	1109.0	1086.2	1067.5	1055.8
50°	1021.4	1014.3	989.7	965.6	953.6
52.5°	921.0	908.5	883.0	855.3	843.7
55°	819.1	803.5	770.4	747.2	738.7
57.5°	719.5	696.7	665.5	649.0	640.5
60°	621.7	596.7	572.1	556.1	550.3
62.5°	528.4	507.4	486.4	470.3	466.7
65°	442.2	423.0	409.1	393.5	391.3
67.5°	361.8	352.8	340.3	326.9	325.1
70°	291.7	288.1	276.9	268.9	265.7
72.5°	232.7	229.1	221.1	215.3	214.4
75°	176.9	173.3	170.6	164.8	163.5
77.5°	126.0	126.4	124.2	121.0	121.9
80°	91.1	85.8	84.0	82.2	81.7
82.5°	55.8	52.7	51.4	50.9	51.8
85°	28.6	27.2	27.7	26.4	27.7
87.5°	9.8	9.8	10.3	9.8	10.7
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)