

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: P412568

Luminaire Tested: **24PD-70-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412568
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-70-PB1-L950
Description: 7000 LUMEN 2X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

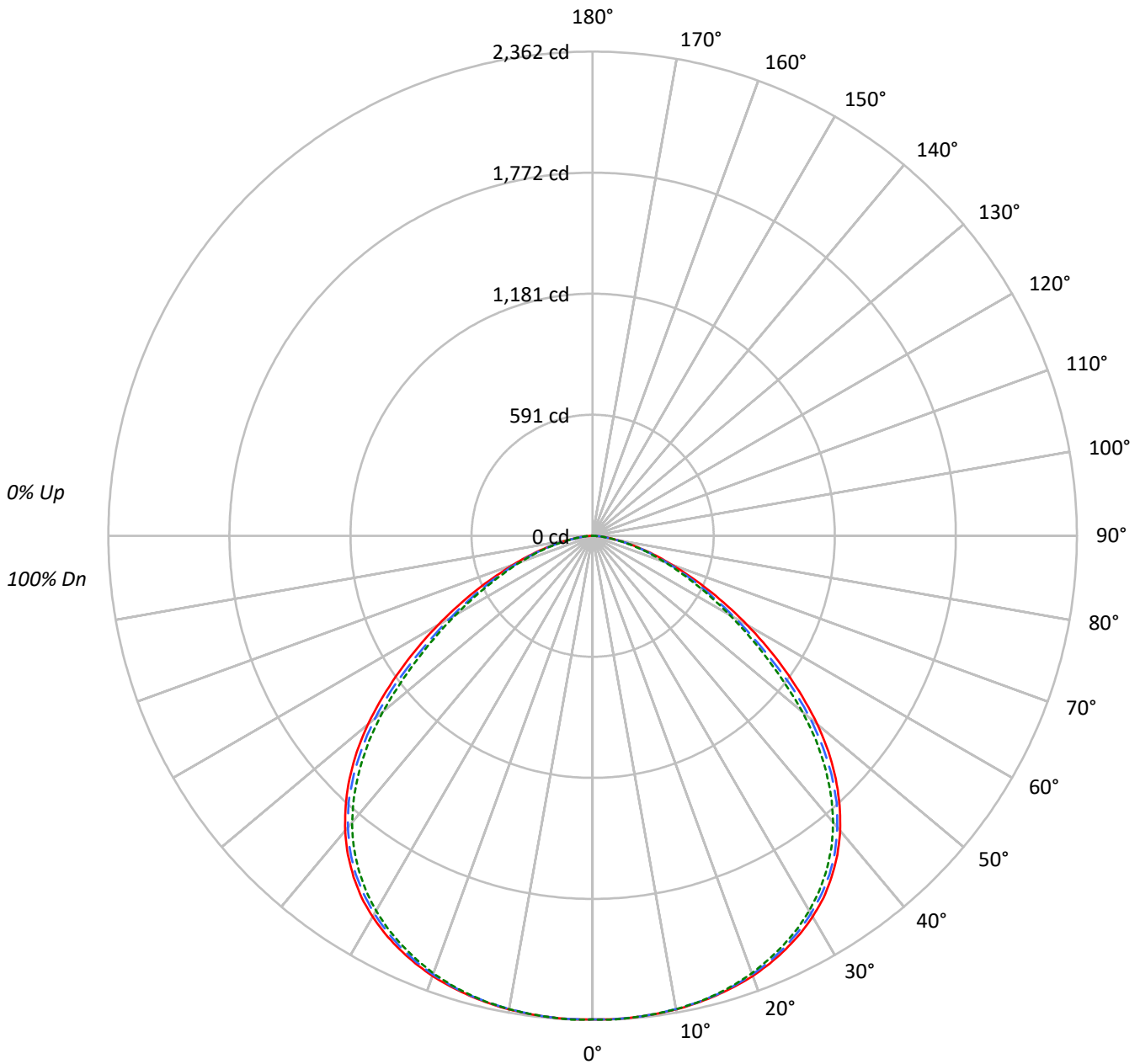
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6278.0 lumens
Efficiency: N/A
Efficacy: 121.9 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): 51.5
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				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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86				86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	75	73				73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63				63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	65	60	56	54				54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47				47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41				41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37				37
8	63	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33				33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30				30
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3175	3175	3175
5°	3185	3185	3185
10°	3206	3203	3204
15°	3235	3231	3228
20°	3272	3261	3252
25°	3306	3289	3271
30°	3334	3307	3282
35°	3338	3309	3268
40°	3299	3261	3206
45°	3192	3134	3053
50°	2993	2901	2795
55°	2690	2530	2426
60°	2342	2155	2073
65°	1971	1824	1744
70°	1606	1525	1464
75°	1287	1242	1190
80°	989	911	886
85°	618	599	599



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.6	3.6
10°-20°	655.7	10.4
20°-30°	1021.4	16.3
30°-40°	1256.6	20.0
40°-50°	1262.1	20.1
50°-60°	972.8	15.5
60°-70°	577.5	9.2
70°-80°	257.1	4.1
80°-90°	50.2	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°	1901.7	30.3
0°-40°	3158.3	50.3
0°-60°	5393.2	85.9
0°-90°	6278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2359	2359	2359	2359	2359	
5°	2358	2359	2358	2356	2358	225
15°	2322	2322	2319	2316	2318	657
25°	2227	2226	2216	2206	2203	1027
35°	2032	2029	2015	1998	1990	1269
45°	1678	1673	1647	1620	1605	1288
55°	1147	1125	1079	1046	1034	1026
65°	619	592	573	551	548	619
75°	248	243	239	231	229	268
85°	40	38	39	37	39	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2359.4	2359.4	2359.4	2359.4	2359.4
2.5°	2360.6	2360.0	2360.0	2357.5	2362.5
5°	2358.1	2358.7	2358.1	2355.6	2358.1
7.5°	2353.1	2353.7	2352.5	2350.0	2352.5
10°	2346.8	2346.8	2344.3	2343.1	2345.0
12.5°	2336.2	2336.2	2333.7	2331.8	2333.7
15°	2322.5	2322.5	2319.3	2315.6	2317.5
17.5°	2305.6	2305.6	2300.6	2295.6	2296.8
20°	2284.9	2284.3	2277.4	2270.6	2271.2
22.5°	2258.7	2258.0	2249.3	2241.2	2238.7
25°	2226.8	2226.2	2215.5	2205.5	2203.0
27.5°	2189.9	2187.4	2175.5	2164.3	2161.7
30°	2146.1	2144.2	2128.6	2117.4	2112.3
32.5°	2095.5	2090.5	2076.1	2062.3	2055.4
35°	2032.3	2029.2	2014.8	1997.9	1989.8
37.5°	1961.0	1957.9	1942.3	1923.5	1914.1
40°	1878.5	1876.0	1856.6	1837.2	1825.3
42.5°	1783.4	1781.6	1760.9	1734.0	1721.5
45°	1677.7	1673.4	1647.1	1619.6	1604.6
47.5°	1560.2	1552.7	1520.8	1494.5	1478.3
50°	1430.1	1420.1	1385.7	1352.0	1335.1
52.5°	1289.4	1271.9	1236.3	1197.5	1181.2
55°	1146.8	1125.0	1078.7	1046.2	1034.3
57.5°	1007.4	975.5	931.7	908.6	896.7
60°	870.5	835.4	801.0	778.5	770.4
62.5°	739.8	710.4	681.0	658.5	653.5
65°	619.1	592.2	572.8	550.9	547.8
67.5°	506.5	494.0	476.5	457.7	455.2
70°	408.3	403.3	387.7	376.4	372.1
72.5°	325.8	320.8	309.5	301.4	300.2
75°	247.6	242.6	238.9	230.7	228.9
77.5°	176.3	177.0	173.8	169.5	170.7
80°	127.6	120.1	117.6	115.1	114.4
82.5°	78.2	73.8	71.9	71.3	72.5
85°	40.0	38.1	38.8	36.9	38.8
87.5°	13.8	13.8	14.4	13.8	15.0
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)