

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: P412973

Luminaire Tested: **14PD-25-PC3-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-25-PC3-L950
Description: 2500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

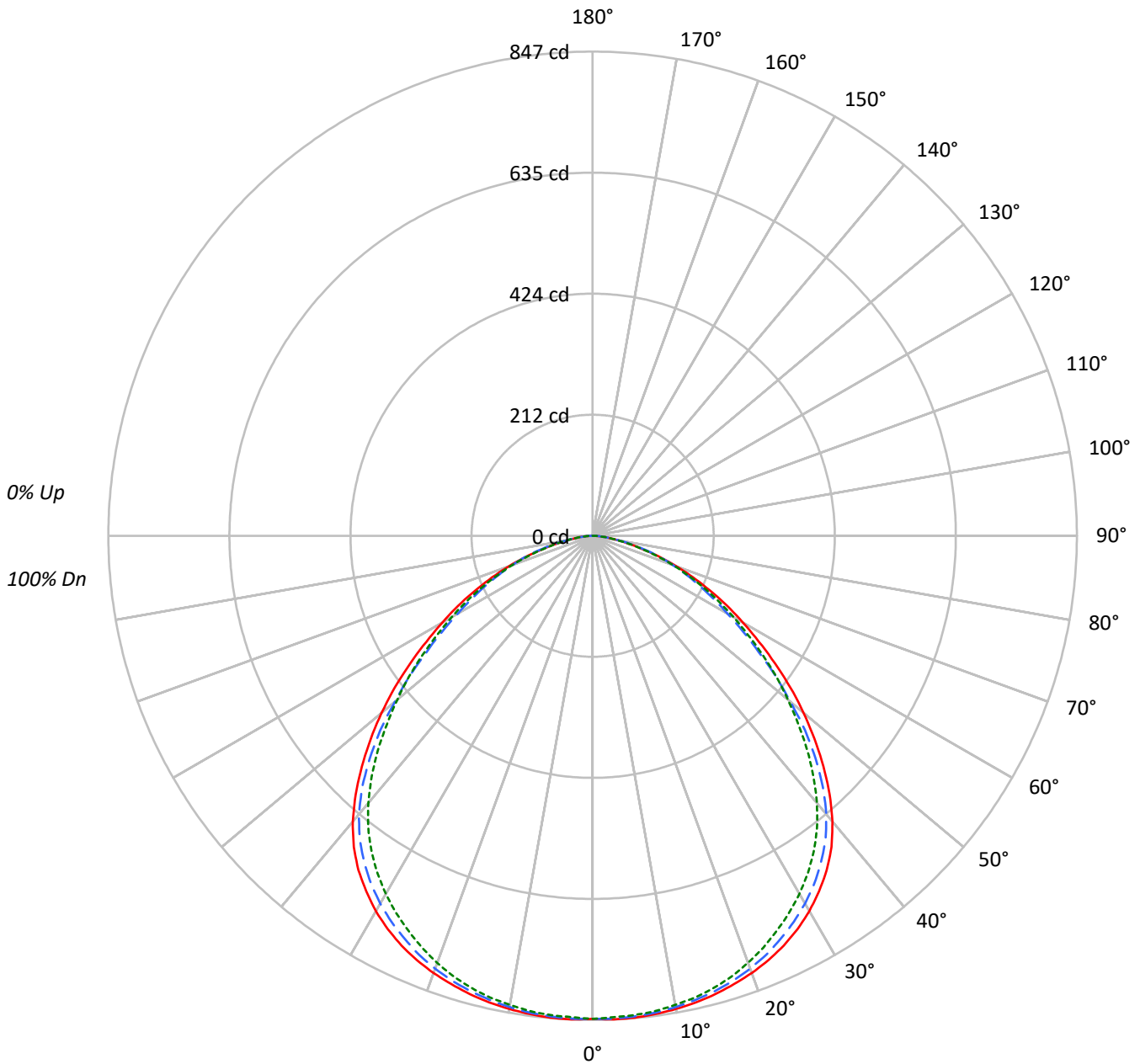
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2184.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22.7
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	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73																			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62																			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54																			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47																			
6	72	60	51	45	70	59	50	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	36	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	54	41	34	29	40	34	29	40	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2274	2274	2274
5°	2286	2280	2274
10°	2297	2288	2276
15°	2313	2298	2281
20°	2331	2308	2276
25°	2348	2310	2263
30°	2356	2308	2248
35°	2346	2289	2215
40°	2292	2233	2144
45°	2173	2098	2022
50°	2017	1888	1866
55°	1826	1665	1701
60°	1633	1466	1530
65°	1441	1314	1359
70°	1226	1164	1173
75°	943	993	915
80°	691	725	685
85°	463	509	497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	3.7
10°-20°	232.8	10.7
20°-30°	358.1	16.4
30°-40°	433.3	19.8
40°-50°	423.0	19.4
50°-60°	326.9	15.0
60°-70°	209.9	9.6
70°-80°	99.1	4.5
80°-90°	20.8	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°	671.2	30.7
0°-40°	1104.4	50.6
0°-60°	1854.2	84.9
0°-90°	2184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	845	845	845	845	845	
5°	846	842	844	843	842	81
15°	830	826	825	822	819	235
25°	791	784	778	768	762	364
35°	714	706	697	681	674	445
45°	571	564	551	537	531	439
55°	389	370	355	355	363	349
65°	226	213	206	204	214	225
75°	91	92	96	88	88	99
85°	15	17	16	16	16	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	845.1	845.1	845.1	845.1	845.1
2.5°	847.0	843.6	845.5	845.5	842.9
5°	846.2	842.5	844.0	843.2	841.7
7.5°	844.0	840.2	841.4	840.6	838.7
10°	840.6	836.5	837.2	835.7	833.1
12.5°	836.1	832.4	831.6	829.4	827.5
15°	830.1	826.0	824.9	821.9	818.9
17.5°	822.3	818.1	816.3	811.8	808.4
20°	814.0	809.1	805.8	799.0	794.9
22.5°	803.5	797.9	793.4	784.0	779.9
25°	790.8	784.4	778.1	767.9	762.3
27.5°	775.8	769.1	761.6	750.3	744.0
30°	758.2	751.5	742.8	730.1	723.4
32.5°	737.2	730.5	721.5	706.9	700.1
35°	714.0	706.5	696.8	681.0	674.3
37.5°	686.3	678.0	669.0	651.8	644.7
40°	652.6	645.4	635.7	618.5	610.2
42.5°	613.6	607.2	596.4	579.9	572.0
45°	570.9	563.8	551.4	537.2	531.2
47.5°	526.3	515.8	503.8	491.5	488.1
50°	481.7	468.3	451.0	444.7	445.8
52.5°	436.0	418.8	403.8	399.0	404.6
55°	389.2	370.5	354.8	355.1	362.6
57.5°	344.6	325.2	312.0	312.0	321.8
60°	303.4	285.4	272.3	272.0	284.3
62.5°	265.2	246.9	237.1	237.1	248.4
65°	226.3	212.8	206.4	204.2	213.5
67.5°	190.3	180.9	176.4	173.8	179.8
70°	155.8	149.8	148.0	145.0	149.1
72.5°	121.7	120.2	124.0	116.9	118.7
75°	90.7	92.2	95.5	87.7	88.0
77.5°	65.2	68.2	69.3	65.6	65.6
80°	44.6	48.3	46.8	45.0	44.2
82.5°	28.5	30.3	30.3	29.2	28.5
85°	15.0	17.2	16.5	16.1	16.1
87.5°	5.6	7.9	7.9	7.5	7.1
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)