

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: P413000

Luminaire Tested: **14PD-40-PC3-L950**

Issue Date: 9/15/2020



**Test Information**

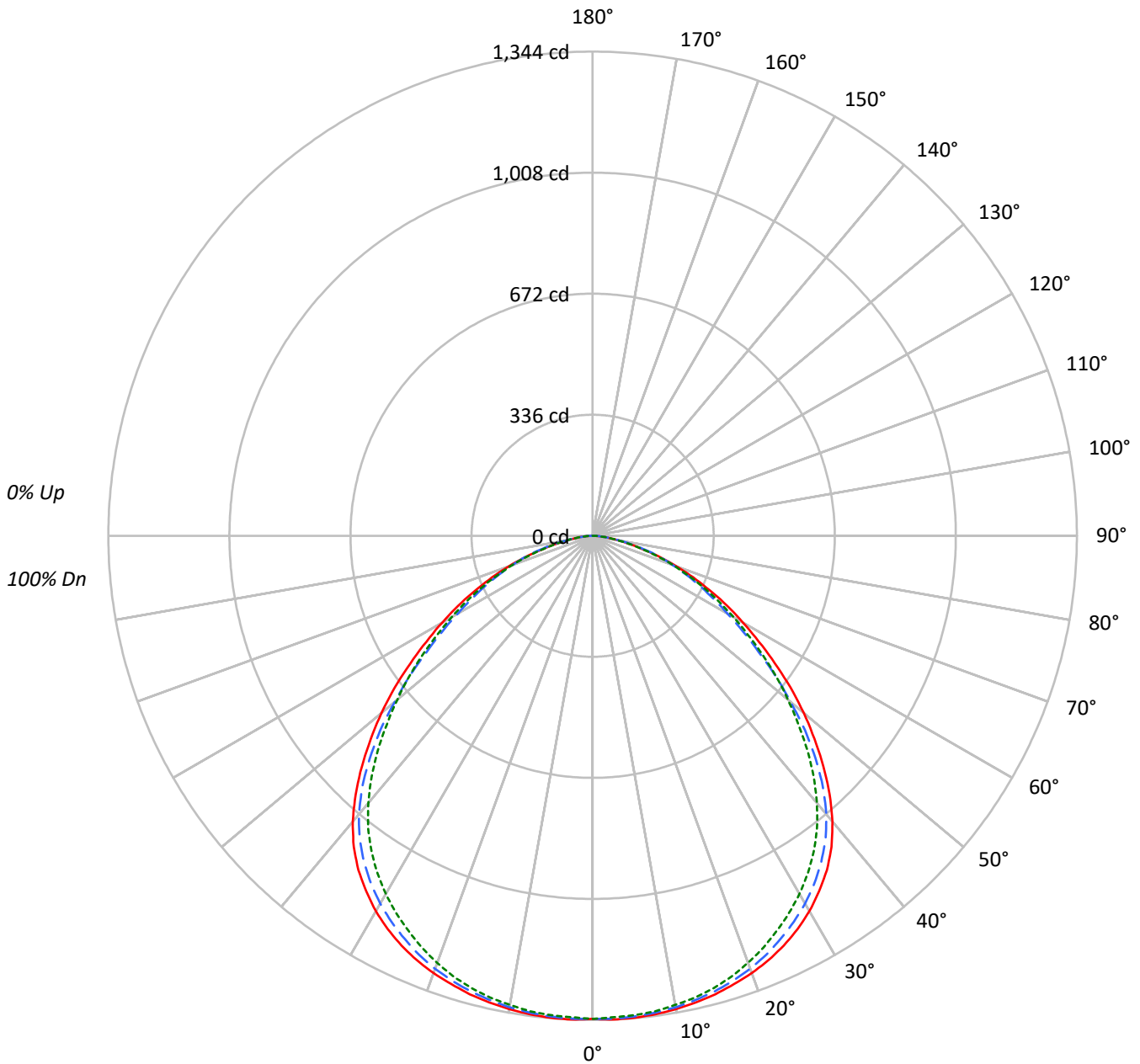
Test Method: LM-79-08  
Report Number: P413000  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-40-PC3-L950  
Description: 4000 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: 3466.0 lumens  
Efficiency: N/A  
Efficacy: 91.7 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): 37.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				
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	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73			73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62			62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54			54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47			47
6	72	60	51	45	70	59	50	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	36	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	54	41	34	29	40	34	29	40	33	29	39	33	29	27			27

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3609	3609	3609
5°	3628	3618	3608
10°	3645	3631	3613
15°	3670	3647	3621
20°	3699	3662	3613
25°	3726	3666	3592
30°	3739	3663	3567
35°	3722	3633	3515
40°	3638	3544	3402
45°	3448	3330	3208
50°	3201	2997	2962
55°	2898	2641	2700
60°	2591	2326	2428
65°	2287	2086	2158
70°	1946	1847	1862
75°	1496	1576	1452
80°	1096	1151	1088
85°	735	809	790



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.4	3.7
10°-20°	369.5	10.7
20°-30°	568.2	16.4
30°-40°	687.6	19.8
40°-50°	671.3	19.4
50°-60°	518.7	15.0
60°-70°	333.1	9.6
70°-80°	157.2	4.5
80°-90°	33.0	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°	1065.1	30.7
0°-40°	1752.7	50.6
0°-60°	2942.7	84.9
0°-90°	3466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3466.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1341	1341	1341	1341	1341	
5°	1343	1337	1339	1338	1336	128
15°	1317	1311	1309	1304	1300	372
25°	1255	1245	1235	1219	1210	578
35°	1133	1121	1106	1081	1070	707
45°	906	895	875	852	843	697
55°	618	588	563	564	576	554
65°	359	338	328	324	339	357
75°	144	146	152	139	140	158
85°	24	27	26	26	26	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1341.2	1341.2	1341.2	1341.2	1341.2
2.5°	1344.2	1338.8	1341.8	1341.8	1337.6
5°	1343.0	1337.0	1339.4	1338.2	1335.8
7.5°	1339.4	1333.5	1335.2	1334.1	1331.1
10°	1334.1	1327.5	1328.7	1326.3	1322.2
12.5°	1326.9	1321.0	1319.8	1316.2	1313.2
15°	1317.4	1310.9	1309.1	1304.3	1299.6
17.5°	1304.9	1298.4	1295.4	1288.3	1282.9
20°	1291.8	1284.1	1278.8	1268.1	1261.5
22.5°	1275.2	1266.3	1259.1	1244.3	1237.7
25°	1255.0	1244.9	1234.8	1218.7	1209.8
27.5°	1231.2	1220.5	1208.6	1190.8	1180.7
30°	1203.3	1192.6	1178.9	1158.7	1148.0
32.5°	1170.0	1159.3	1145.0	1121.8	1111.1
35°	1133.1	1121.2	1105.8	1080.8	1070.1
37.5°	1089.1	1076.0	1061.8	1034.4	1023.1
40°	1035.6	1024.3	1008.9	981.5	968.4
42.5°	973.8	963.7	946.4	920.3	907.8
45°	906.0	894.7	875.1	852.5	843.0
47.5°	835.3	818.6	799.6	780.0	774.6
50°	764.5	743.1	715.8	705.7	707.5
52.5°	692.0	664.6	640.9	633.1	642.1
55°	617.7	588.0	563.0	563.6	575.5
57.5°	546.9	516.0	495.2	495.2	510.7
60°	481.5	453.0	432.2	431.6	451.2
62.5°	420.9	391.8	376.3	376.3	394.2
65°	359.1	337.7	327.6	324.0	338.9
67.5°	302.0	287.1	280.0	275.8	285.4
70°	247.3	237.8	234.8	230.1	236.6
72.5°	193.2	190.8	196.8	185.5	188.5
75°	143.9	146.2	151.6	139.1	139.7
77.5°	103.4	108.2	110.0	104.0	104.0
80°	70.7	76.7	74.3	71.3	70.2
82.5°	45.2	48.2	48.2	46.4	45.2
85°	23.8	27.3	26.2	25.6	25.6
87.5°	8.9	12.5	12.5	11.9	11.3
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)