

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: P412997

Luminaire Tested: **14PD-40-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412997
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-L930
Description: 4000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

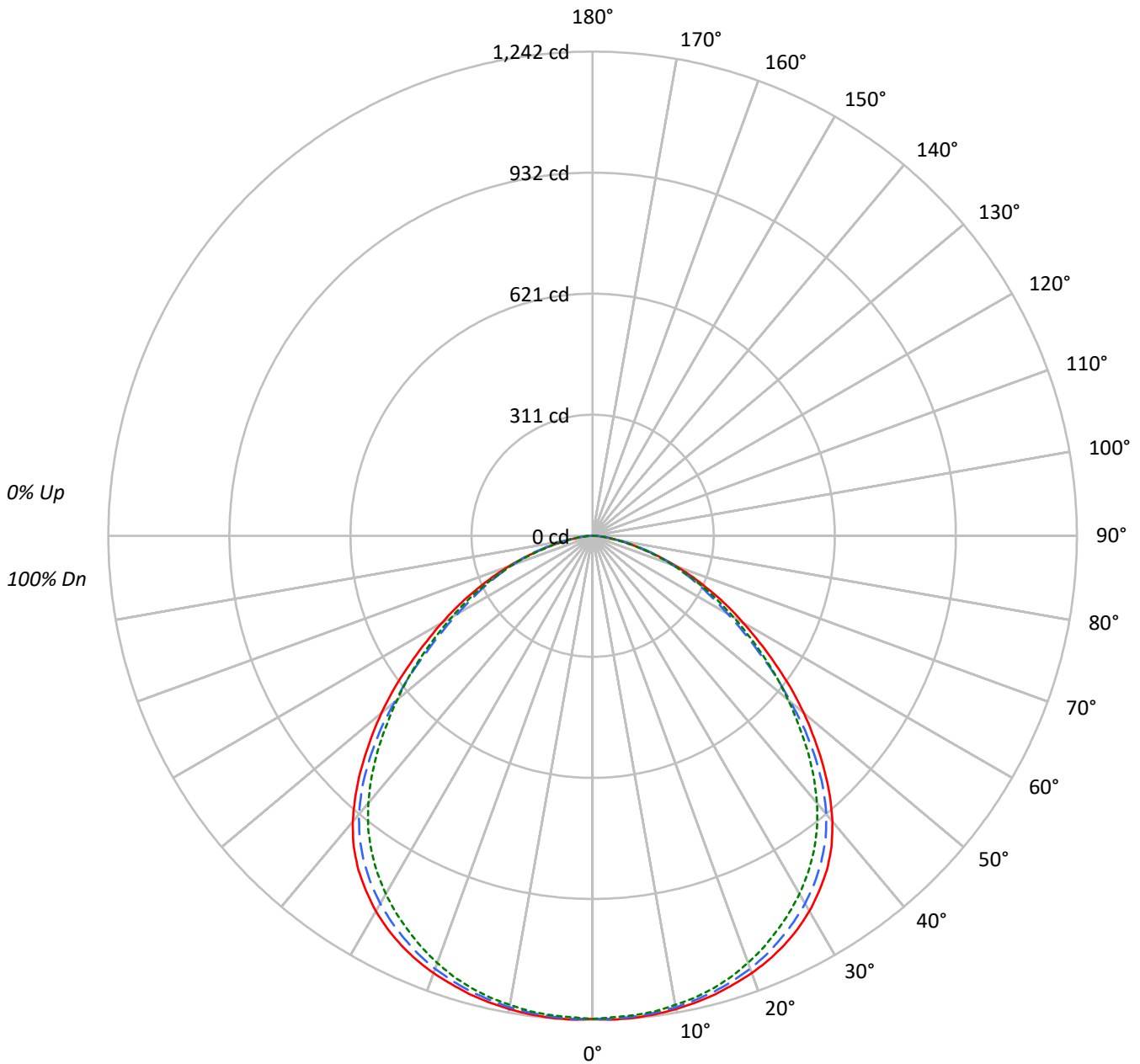
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3203.0 lumens
Efficiency: N/A
Efficacy: 84.7 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_{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

TEST NUMBER: P412997
CATALOG NUMBER: 14PD-40-PC3-L930

Luminous Intensity Polar Plot





TEST NUMBER: P412997

CATALOG NUMBER: 14PD-40-PC3-L930

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
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°	3335	3335	3335
5°	3353	3344	3335
10°	3369	3355	3339
15°	3392	3370	3346
20°	3419	3384	3338
25°	3444	3388	3320
30°	3455	3385	3297
35°	3440	3357	3249
40°	3362	3275	3144
45°	3186	3078	2965
50°	2958	2769	2737
55°	2678	2441	2495
60°	2395	2150	2244
65°	2113	1927	1994
70°	1798	1707	1721
75°	1383	1457	1342
80°	1013	1065	1004
85°	679	747	729



TEST NUMBER: P412997

CATALOG NUMBER: 14PD-40-PC3-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	3.7
10°-20°	341.4	10.7
20°-30°	525.1	16.4
30°-40°	635.4	19.8
40°-50°	620.3	19.4
50°-60°	479.3	15.0
60°-70°	307.8	9.6
70°-80°	145.3	4.5
80°-90°	30.5	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°	984.3	30.7
0°-40°	1619.7	50.6
0°-60°	2719.4	84.9
0°-90°	3203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1239	1239	1239	1239	1239	
5°	1241	1236	1238	1237	1234	118
15°	1217	1211	1210	1205	1201	344
25°	1160	1150	1141	1126	1118	535
35°	1047	1036	1022	999	989	653
45°	837	827	809	788	779	644
55°	571	543	520	521	532	512
65°	332	312	303	299	313	330
75°	133	135	140	129	129	146
85°	22	25	24	24	24	28
90°	0	0	0	0	0	



TEST NUMBER: P412997

CATALOG NUMBER: 14PD-40-PC3-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1239.4	1239.4	1239.4	1239.4	1239.4
2.5°	1242.2	1237.2	1240.0	1240.0	1236.1
5°	1241.1	1235.6	1237.8	1236.7	1234.5
7.5°	1237.8	1232.3	1233.9	1232.8	1230.1
10°	1232.8	1226.8	1227.9	1225.7	1221.8
12.5°	1226.2	1220.7	1219.6	1216.3	1213.6
15°	1217.4	1211.4	1209.8	1205.4	1201.0
17.5°	1205.9	1199.9	1197.1	1190.5	1185.6
20°	1193.8	1186.7	1181.7	1171.8	1165.8
22.5°	1178.4	1170.2	1163.6	1149.9	1143.8
25°	1159.8	1150.4	1141.1	1126.2	1118.0
27.5°	1137.8	1127.9	1116.9	1100.4	1091.1
30°	1112.0	1102.1	1089.4	1070.8	1060.9
32.5°	1081.2	1071.3	1058.1	1036.7	1026.8
35°	1047.1	1036.1	1021.9	998.8	988.9
37.5°	1006.5	994.4	981.2	955.9	945.5
40°	957.0	946.6	932.3	907.0	895.0
42.5°	899.9	890.6	874.6	850.5	838.9
45°	837.3	826.8	808.7	787.8	779.0
47.5°	771.9	756.5	738.9	720.8	715.9
50°	706.5	686.7	661.5	652.1	653.8
52.5°	639.5	614.2	592.2	585.1	593.3
55°	570.8	543.3	520.3	520.8	531.8
57.5°	505.4	476.9	457.6	457.6	471.9
60°	445.0	418.6	399.4	398.9	417.0
62.5°	389.0	362.0	347.8	347.8	364.2
65°	331.8	312.1	302.7	299.4	313.2
67.5°	279.1	265.4	258.8	254.9	263.7
70°	228.5	219.8	217.0	212.6	218.7
72.5°	178.6	176.4	181.8	171.4	174.2
75°	133.0	135.1	140.1	128.6	129.1
77.5°	95.6	100.0	101.6	96.1	96.1
80°	65.4	70.9	68.7	65.9	64.8
82.5°	41.8	44.5	44.5	42.9	41.8
85°	22.0	25.3	24.2	23.6	23.6
87.5°	8.2	11.5	11.5	11.0	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)