

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: P413006

Luminaire Tested: **14PD-45-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413006
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-45-PC3-L930
Description: 4500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

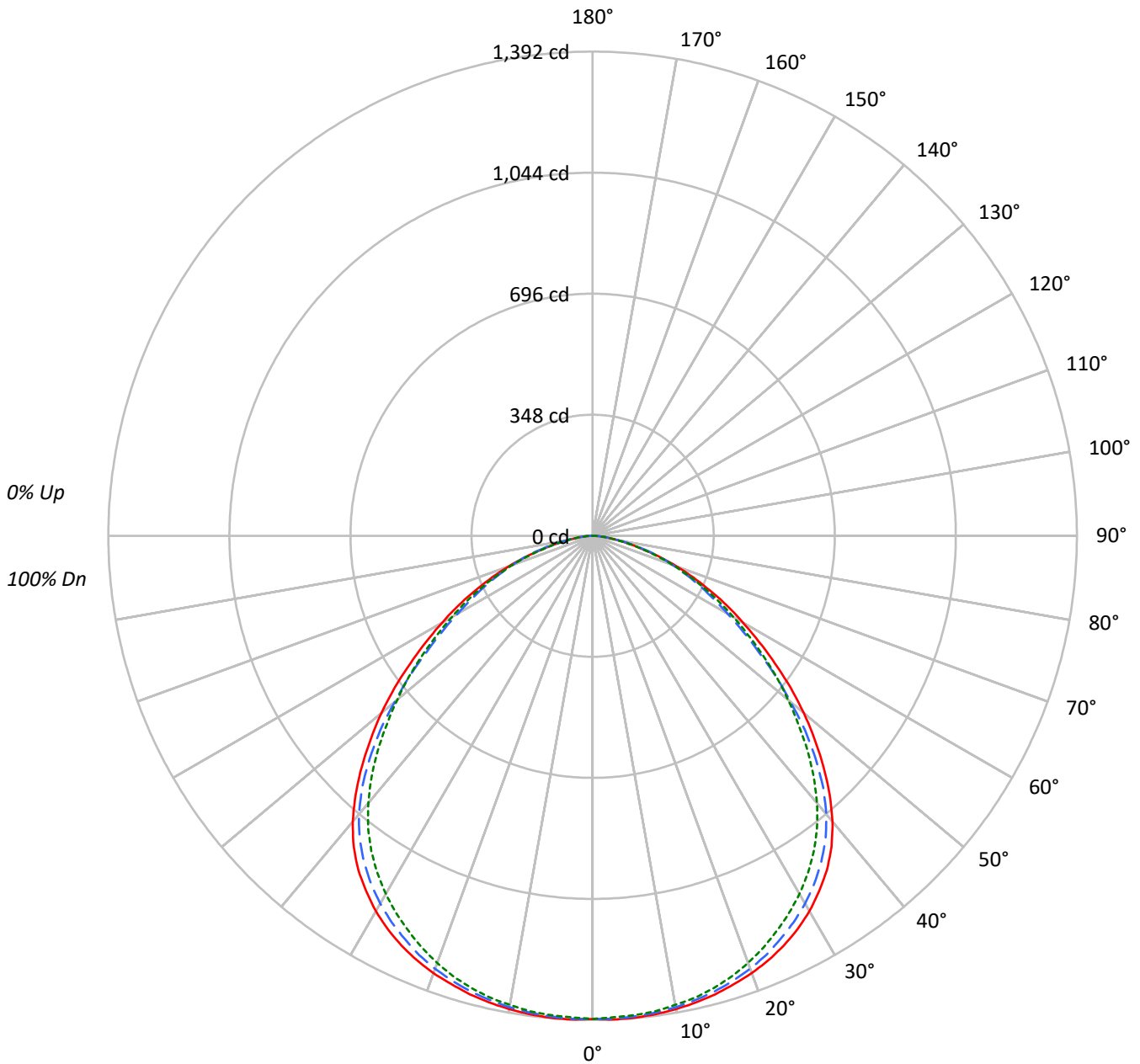
Lumens per Lamp: N/A
Luminaire Lumens: 3590.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 42.9
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°	3738	3738	3738
5°	3757	3747	3737
10°	3776	3760	3742
15°	3801	3777	3750
20°	3832	3793	3742
25°	3860	3797	3721
30°	3873	3794	3695
35°	3856	3762	3641
40°	3768	3671	3524
45°	3571	3449	3323
50°	3315	3104	3068
55°	3002	2736	2797
60°	2685	2410	2516
65°	2368	2160	2235
70°	2016	1913	1928
75°	1549	1632	1504
80°	1136	1193	1127
85°	760	837	818



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	3.7
10°-20°	382.7	10.7
20°-30°	588.6	16.4
30°-40°	712.2	19.8
40°-50°	695.3	19.4
50°-60°	537.3	15.0
60°-70°	345.0	9.6
70°-80°	162.8	4.5
80°-90°	34.1	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°	1103.2	30.7
0°-40°	1815.4	50.6
0°-60°	3048.0	84.9
0°-90°	3590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3590.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1389	1389	1389	1389	1389	
5°	1391	1385	1387	1386	1384	132
15°	1364	1358	1356	1351	1346	386
25°	1300	1289	1279	1262	1253	599
35°	1174	1161	1145	1120	1108	732
45°	938	927	906	883	873	722
55°	640	609	583	584	596	574
65°	372	350	339	336	351	370
75°	149	152	157	144	145	164
85°	25	28	27	26	26	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1389.2	1389.2	1389.2	1389.2	1389.2
2.5°	1392.2	1386.7	1389.8	1389.8	1385.5
5°	1391.0	1384.9	1387.3	1386.1	1383.6
7.5°	1387.3	1381.2	1383.0	1381.8	1378.7
10°	1381.8	1375.0	1376.2	1373.8	1369.5
12.5°	1374.4	1368.2	1367.0	1363.3	1360.2
15°	1364.5	1357.8	1355.9	1351.0	1346.1
17.5°	1351.6	1344.8	1341.8	1334.4	1328.8
20°	1338.1	1330.1	1324.5	1313.4	1306.7
22.5°	1320.8	1311.6	1304.2	1288.8	1282.0
25°	1299.9	1289.4	1278.9	1262.3	1253.1
27.5°	1275.3	1264.2	1251.9	1233.4	1222.9
30°	1246.3	1235.2	1221.1	1200.1	1189.0
32.5°	1211.8	1200.7	1186.0	1162.0	1150.9
35°	1173.7	1161.3	1145.3	1119.5	1108.4
37.5°	1128.1	1114.5	1099.8	1071.4	1059.7
40°	1072.7	1061.0	1045.0	1016.6	1003.1
42.5°	1008.6	998.2	980.3	953.2	940.3
45°	938.4	926.7	906.4	883.0	873.2
47.5°	865.2	847.9	828.2	807.9	802.3
50°	791.9	769.7	741.4	730.9	732.8
52.5°	716.8	688.4	663.8	655.8	665.0
55°	639.8	609.0	583.1	583.7	596.1
57.5°	566.5	534.5	512.9	512.9	528.9
60°	498.8	469.2	447.7	447.0	467.4
62.5°	436.0	405.8	389.8	389.8	408.3
65°	371.9	349.8	339.3	335.6	351.0
67.5°	312.8	297.4	290.0	285.7	295.6
70°	256.2	246.3	243.2	238.3	245.1
72.5°	200.1	197.7	203.8	192.1	195.2
75°	149.0	151.5	157.0	144.1	144.7
77.5°	107.1	112.1	113.9	107.8	107.8
80°	73.3	79.4	77.0	73.9	72.7
82.5°	46.8	49.9	49.9	48.0	46.8
85°	24.6	28.3	27.1	26.5	26.5
87.5°	9.2	12.9	12.9	12.3	11.7
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)