

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: P412651

Luminaire Tested: **14PD-40-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-40-PP3-L835
Description: 4000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

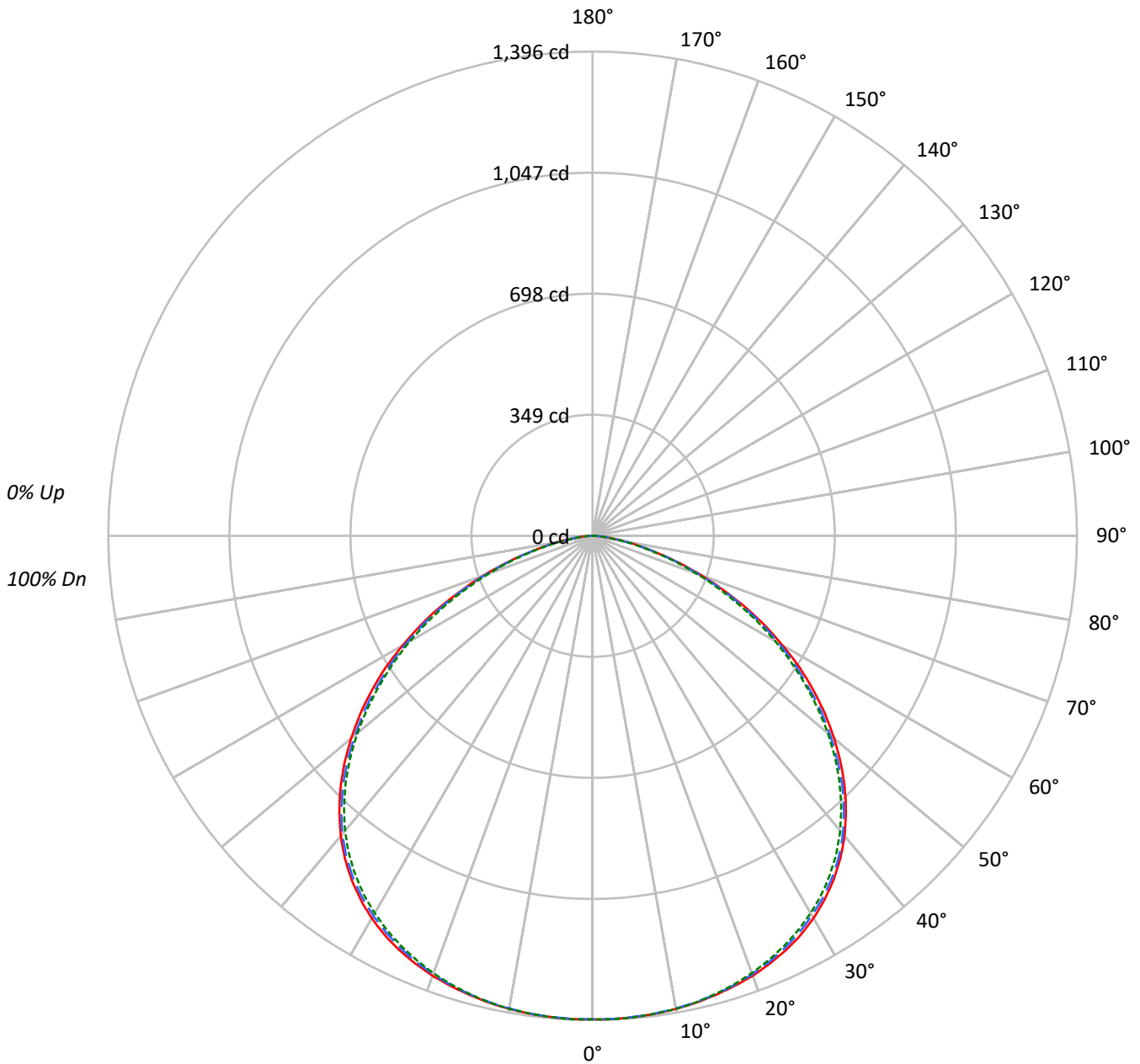
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4057.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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: P412651
CATALOG NUMBER: 14PD-40-PP3-L835

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39																			
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31																			
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3752	3752	3752
5°	3762	3761	3763
10°	3786	3781	3784
15°	3819	3813	3811
20°	3865	3852	3843
25°	3914	3893	3875
30°	3957	3929	3904
35°	3978	3954	3918
40°	3968	3943	3900
45°	3911	3873	3830
50°	3804	3743	3703
55°	3646	3559	3513
60°	3398	3338	3271
65°	3080	3018	2930
70°	2629	2581	2498
75°	2052	2032	1935
80°	1514	1452	1370
85°	914	914	852



TEST NUMBER: P412651

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	3.3
10°-20°	387.1	9.5
20°-30°	605.0	14.9
30°-40°	751.9	18.5
40°-50°	783.4	19.3
50°-60°	679.8	16.8
60°-70°	467.5	11.5
70°-80°	211.0	5.2
80°-90°	38.7	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°	1124.8	27.7
0°-40°	1876.7	46.3
0°-60°	3339.9	82.3
0°-90°	4057.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4057.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1394	1394	1394	1394	1394	
5°	1393	1393	1392	1391	1393	133
15°	1371	1371	1369	1368	1368	388
25°	1318	1318	1311	1306	1305	608
35°	1211	1211	1204	1197	1193	757
45°	1028	1028	1018	1010	1006	791
55°	777	773	759	750	749	693
65°	484	482	474	463	460	477
75°	197	198	195	190	186	215
85°	30	29	30	29	28	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1394.3	1394.3	1394.3	1394.3	1394.3
2.5°	1394.7	1394.7	1393.9	1392.7	1395.5
5°	1392.7	1393.1	1392.2	1391.0	1393.1
7.5°	1389.8	1390.2	1389.0	1387.8	1389.4
10°	1385.4	1384.9	1383.7	1382.9	1384.9
12.5°	1378.9	1378.5	1377.2	1376.4	1378.1
15°	1370.8	1370.8	1368.7	1367.5	1367.9
17.5°	1361.0	1361.0	1358.2	1355.4	1356.2
20°	1349.7	1349.3	1345.2	1342.4	1342.0
22.5°	1335.5	1335.5	1329.8	1326.2	1324.9
25°	1318.1	1317.6	1311.2	1305.9	1305.1
27.5°	1298.2	1297.4	1289.7	1284.4	1282.4
30°	1273.5	1272.6	1264.5	1258.9	1256.4
32.5°	1244.3	1245.5	1236.2	1229.7	1227.2
35°	1211.0	1211.0	1203.7	1196.8	1192.8
37.5°	1172.9	1172.9	1166.0	1159.1	1154.3
40°	1129.5	1129.9	1122.6	1114.1	1110.1
42.5°	1080.9	1081.7	1072.0	1065.1	1060.6
45°	1027.8	1028.2	1017.6	1009.9	1006.3
47.5°	970.2	969.4	957.6	951.1	947.5
50°	908.6	906.9	894.0	887.9	884.6
52.5°	844.1	840.9	829.5	820.6	817.8
55°	777.2	772.7	758.6	749.6	748.8
57.5°	707.5	702.2	690.4	681.9	678.7
60°	631.3	630.0	620.3	610.2	607.7
62.5°	559.9	556.2	547.7	535.6	534.4
65°	483.7	481.7	473.9	462.6	460.2
67.5°	405.0	407.1	400.6	390.4	387.2
70°	334.1	335.3	328.0	318.7	317.5
72.5°	262.7	264.7	258.7	252.6	251.4
75°	197.4	198.3	195.4	190.1	186.1
77.5°	140.3	143.1	139.9	136.2	133.0
80°	97.7	93.2	93.7	92.0	88.4
82.5°	58.8	56.8	56.4	54.7	53.1
85°	29.6	29.2	29.6	29.2	27.6
87.5°	9.7	10.5	10.9	10.9	10.1
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)