

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: P412314

Luminaire Tested: **14PD-40-PB1-L935**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-56)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-40-PB1-L935
Description: 4000 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

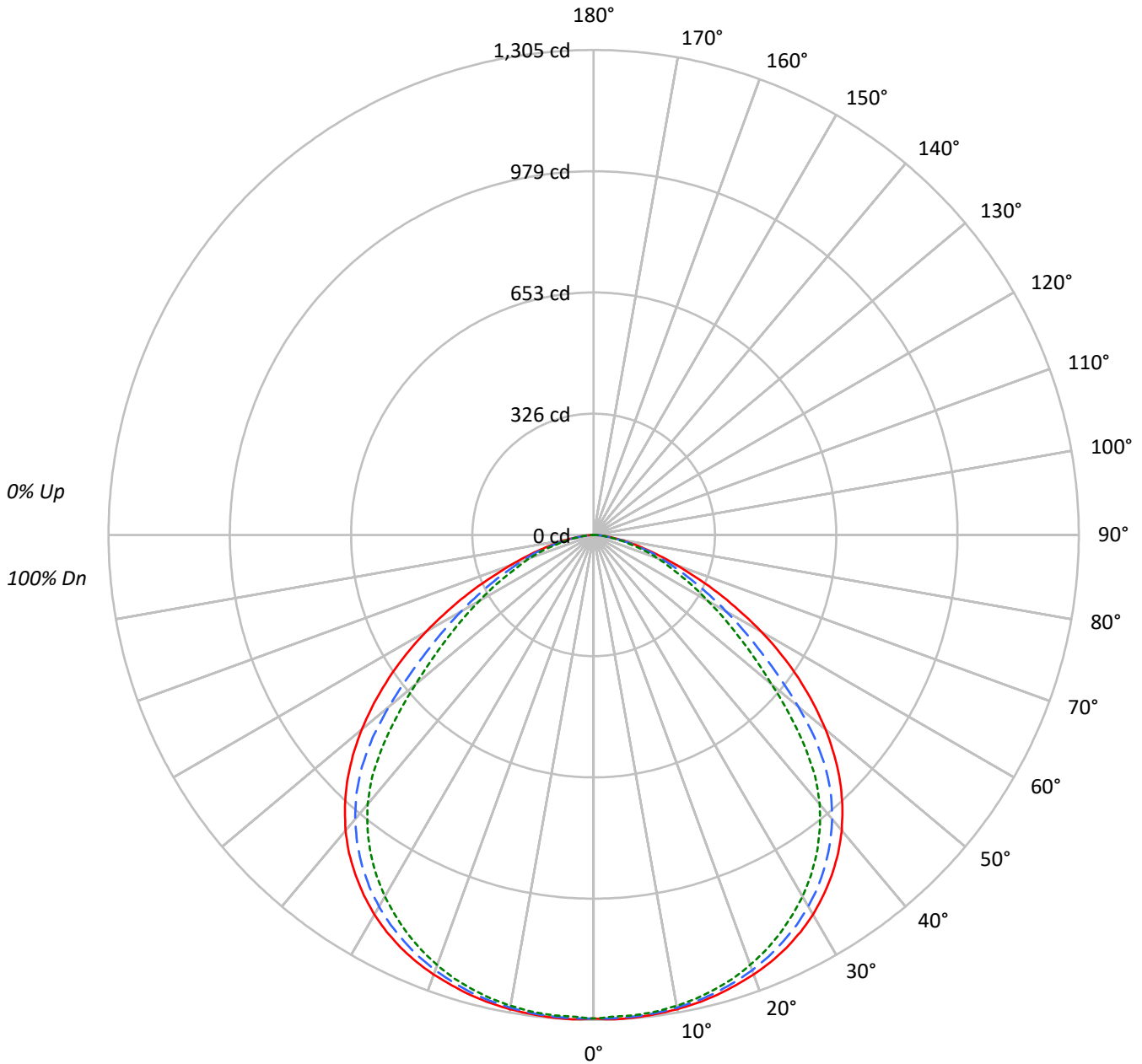
Lumens per Lamp: N/A
Luminaire Lumens: 3355.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

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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			
1	110	106	102	99	107	104	100	97	99	96	94	95	93	91	92	90	88	86			
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74			
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63			
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55			
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48			
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42			
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37			
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33			
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3502	3502	3502
5°	3520	3513	3504
10°	3541	3529	3515
15°	3570	3551	3525
20°	3605	3569	3526
25°	3641	3583	3516
30°	3665	3588	3491
35°	3668	3568	3436
40°	3647	3506	3322
45°	3568	3354	3051
50°	3409	3004	2615
55°	3157	2575	2233
60°	2805	2211	1908
65°	2353	1886	1634
70°	1865	1603	1441
75°	1459	1308	1146
80°	1086	975	880
85°	722	636	584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	3.7
10°-20°	359.7	10.7
20°-30°	555.4	16.6
30°-40°	676.0	20.1
40°-50°	668.9	19.9
50°-60°	504.0	15.0
60°-70°	302.8	9.0
70°-80°	136.5	4.1
80°-90°	27.9	0.8
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°	1038.9	31.0
0°-40°	1714.8	51.1
0°-60°	2887.7	86.1
0°-90°	3355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1303	1298	1300	1299	1297	124
15°	1282	1275	1275	1270	1265	362
25°	1226	1217	1207	1191	1184	565
35°	1117	1104	1086	1059	1046	698
45°	938	921	881	827	802	720
55°	673	626	549	496	476	599
65°	370	335	296	265	257	367
75°	140	133	126	114	110	153
85°	23	24	21	20	19	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1301.5	1301.5	1301.5	1301.5	1301.5
2.5°	1304.9	1299.3	1302.1	1301.5	1297.1
5°	1303.2	1298.2	1300.4	1299.3	1297.1
7.5°	1300.4	1295.4	1297.1	1295.4	1293.2
10°	1296.0	1290.4	1291.5	1288.2	1286.5
12.5°	1289.9	1283.2	1284.3	1279.8	1277.6
15°	1281.5	1275.4	1274.8	1269.8	1265.4
17.5°	1270.9	1264.8	1261.5	1255.9	1250.9
20°	1258.7	1250.9	1246.4	1236.4	1231.4
22.5°	1244.2	1235.9	1228.6	1214.7	1209.7
25°	1226.4	1216.9	1206.9	1190.8	1184.1
27.5°	1204.7	1194.7	1183.0	1165.2	1155.1
30°	1179.6	1169.0	1154.6	1134.0	1123.4
32.5°	1150.1	1138.4	1122.8	1098.3	1087.2
35°	1116.7	1104.5	1086.1	1059.4	1046.0
37.5°	1080.5	1066.6	1044.9	1012.6	999.3
40°	1038.2	1024.3	998.1	960.8	945.8
42.5°	990.4	976.4	944.7	900.2	881.8
45°	937.5	921.3	881.2	827.2	801.6
47.5°	878.5	857.9	805.5	739.3	713.7
50°	814.4	787.2	717.6	649.7	624.6
52.5°	744.9	710.3	630.2	569.5	545.6
55°	673.0	625.7	548.9	495.5	476.0
57.5°	598.4	541.7	477.6	430.9	412.5
60°	521.1	465.9	410.8	368.0	354.6
62.5°	442.0	396.9	351.3	311.7	304.5
65°	369.6	335.1	296.2	265.0	256.6
67.5°	296.7	277.2	247.2	226.0	216.6
70°	237.1	224.3	203.7	186.5	183.2
72.5°	185.4	177.0	169.2	154.2	148.1
75°	140.3	133.0	125.8	114.1	110.2
77.5°	101.3	98.5	92.4	84.6	82.9
80°	70.1	70.1	62.9	58.5	56.8
82.5°	43.4	47.3	39.5	36.7	35.1
85°	23.4	23.9	20.6	19.5	18.9
87.5°	8.9	10.0	9.5	7.8	7.8
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)