

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: P412993

Luminaire Tested: **14PD-40-PC3-L835**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412993
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-L835
Description: 4000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

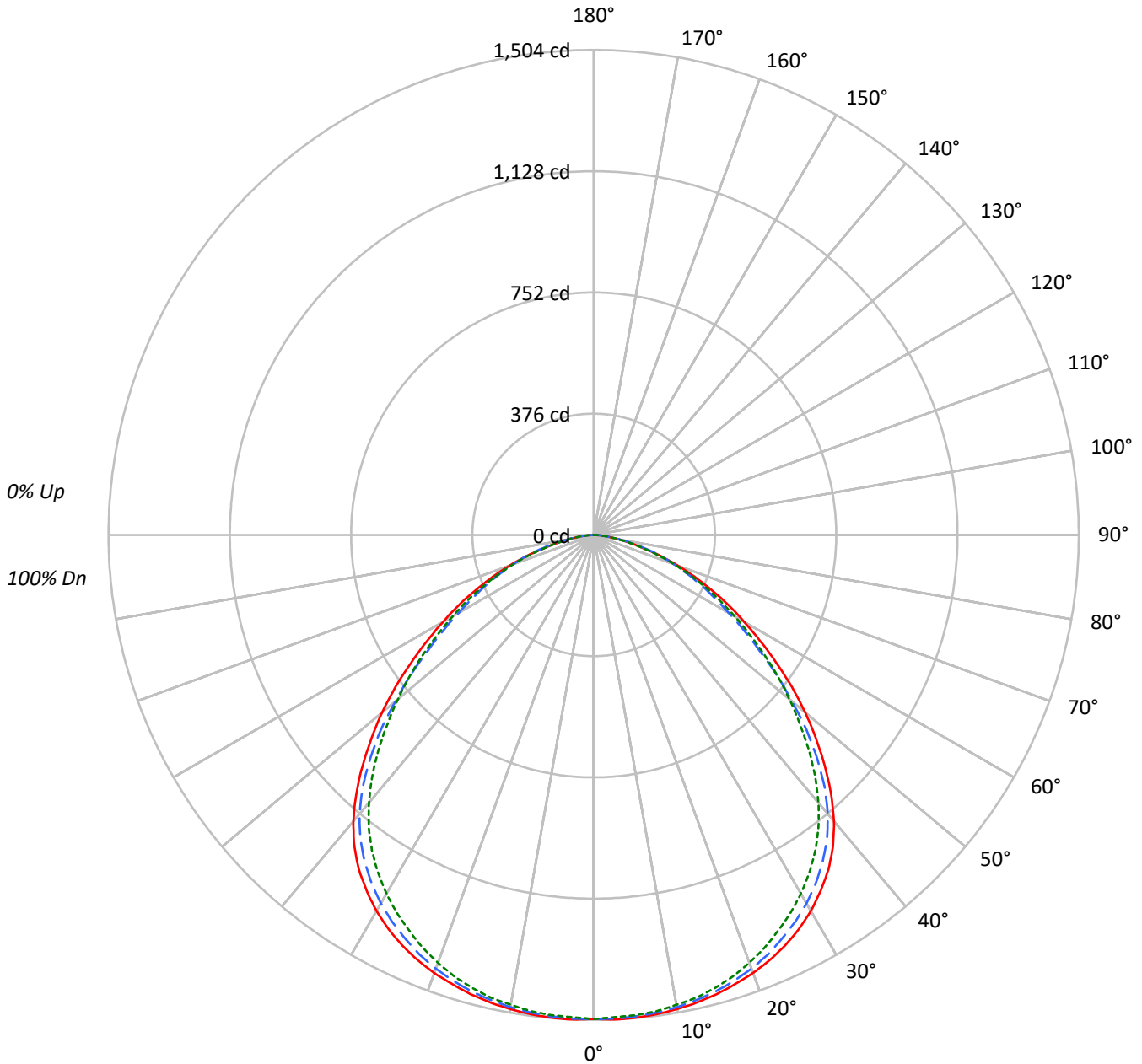
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3879.0 lumens
Efficiency: N/A
Efficacy: 102.6 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

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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°	4039	4039	4039
5°	4060	4049	4038
10°	4080	4063	4043
15°	4108	4082	4052
20°	4140	4098	4043
25°	4170	4103	4020
30°	4184	4100	3992
35°	4166	4065	3934
40°	4071	3966	3807
45°	3859	3727	3590
50°	3582	3354	3315
55°	3243	2956	3021
60°	2900	2603	2718
65°	2559	2334	2415
70°	2178	2068	2083
75°	1674	1764	1626
80°	1227	1289	1216
85°	821	905	883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	3.7
10°-20°	413.5	10.7
20°-30°	635.9	16.4
30°-40°	769.5	19.8
40°-50°	751.3	19.4
50°-60°	580.5	15.0
60°-70°	372.8	9.6
70°-80°	175.9	4.5
80°-90°	36.9	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°	1192.0	30.7
0°-40°	1961.6	50.6
0°-60°	3293.3	84.9
0°-90°	3879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3879.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1501	1501	1501	1501	1501	
5°	1503	1496	1499	1498	1495	143
15°	1474	1467	1465	1460	1454	417
25°	1404	1393	1382	1364	1354	647
35°	1268	1255	1238	1210	1198	791
45°	1014	1001	979	954	943	780
55°	691	658	630	631	644	620
65°	402	378	367	363	379	400
75°	161	164	170	156	156	177
85°	27	31	29	29	29	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1501.0	1501.0	1501.0	1501.0	1501.0
2.5°	1504.3	1498.3	1501.7	1501.7	1497.0
5°	1503.0	1496.3	1499.0	1497.7	1495.0
7.5°	1499.0	1492.3	1494.3	1493.0	1489.7
10°	1493.0	1485.7	1487.0	1484.4	1479.7
12.5°	1485.0	1478.4	1477.0	1473.1	1469.7
15°	1474.4	1467.1	1465.1	1459.7	1454.4
17.5°	1460.4	1453.1	1449.8	1441.8	1435.8
20°	1445.8	1437.1	1431.1	1419.2	1411.8
22.5°	1427.1	1417.2	1409.2	1392.5	1385.2
25°	1404.5	1393.2	1381.9	1363.9	1354.0
27.5°	1377.9	1365.9	1352.6	1332.7	1321.4
30°	1346.6	1334.7	1319.4	1296.7	1284.8
32.5°	1309.4	1297.4	1281.4	1255.5	1243.5
35°	1268.1	1254.8	1237.5	1209.6	1197.6
37.5°	1218.9	1204.3	1188.3	1157.7	1145.0
40°	1159.0	1146.4	1129.1	1098.5	1083.8
42.5°	1089.8	1078.5	1059.2	1029.9	1016.0
45°	1014.0	1001.3	979.4	954.1	943.4
47.5°	934.8	916.2	894.9	872.9	866.9
50°	855.6	831.7	801.1	789.8	791.8
52.5°	774.5	743.8	717.2	708.6	718.6
55°	691.3	658.0	630.1	630.7	644.0
57.5°	612.1	577.5	554.2	554.2	571.5
60°	538.9	507.0	483.7	483.0	505.0
62.5°	471.1	438.5	421.2	421.2	441.1
65°	401.9	377.9	366.6	362.6	379.2
67.5°	338.0	321.4	313.4	308.7	319.4
70°	276.8	266.1	262.8	257.5	264.8
72.5°	216.2	213.6	220.2	207.6	210.9
75°	161.0	163.7	169.7	155.7	156.4
77.5°	115.8	121.1	123.1	116.4	116.4
80°	79.2	85.8	83.2	79.8	78.5
82.5°	50.6	53.9	53.9	51.9	50.6
85°	26.6	30.6	29.3	28.6	28.6
87.5°	10.0	14.0	14.0	13.3	12.6
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)