

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: P412660

Luminaire Tested: **14PD-45-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412660
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-45-PP3-L835
Description: 4500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

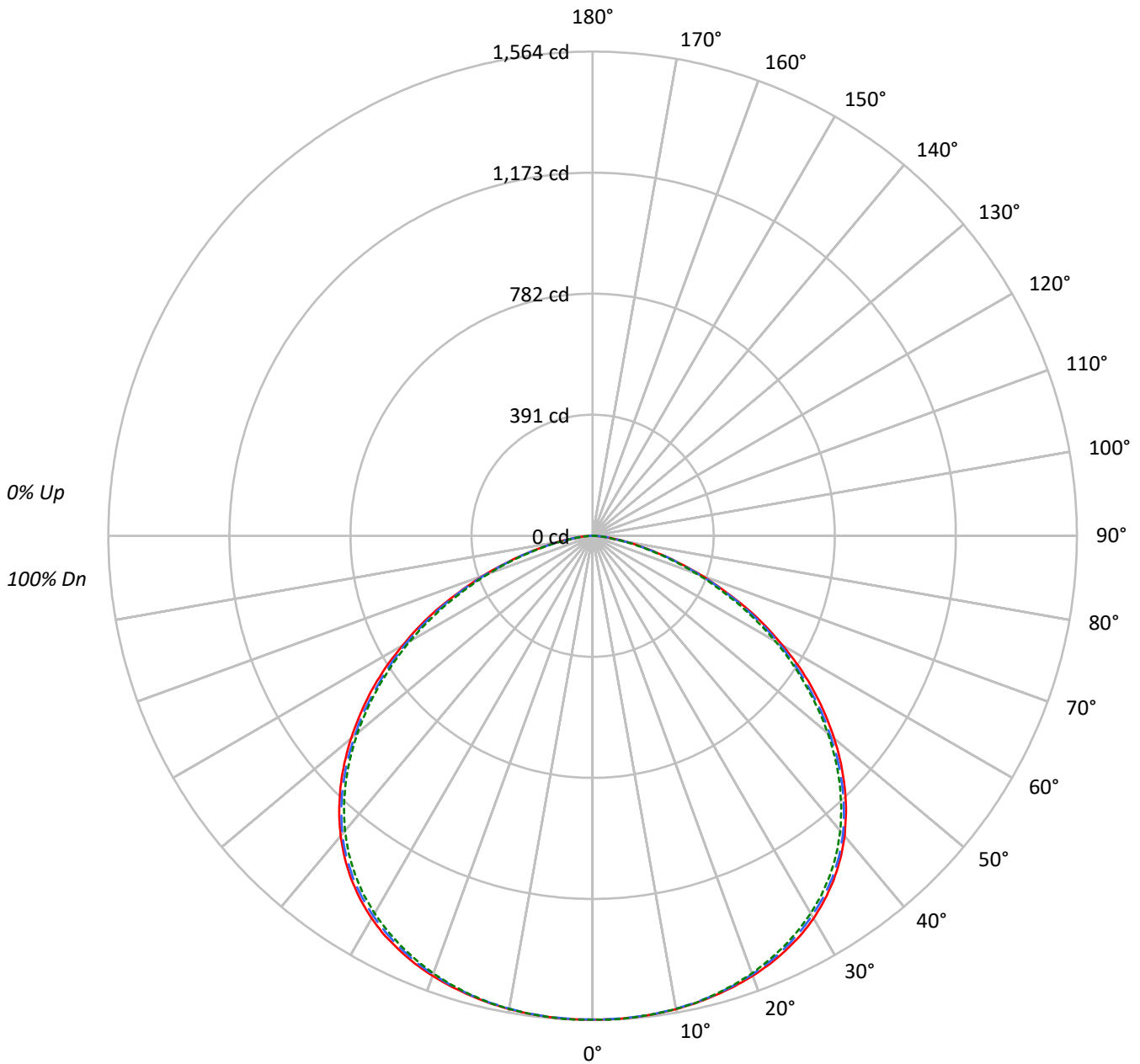
Lumens per Lamp: N/A
Luminaire Lumens: 4547.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	4205	4205	4205
5°	4216	4215	4217
10°	4243	4238	4241
15°	4280	4274	4271
20°	4332	4318	4307
25°	4386	4363	4343
30°	4435	4404	4376
35°	4459	4432	4391
40°	4447	4420	4370
45°	4384	4340	4292
50°	4263	4194	4151
55°	4087	3989	3938
60°	3808	3742	3666
65°	3452	3382	3284
70°	2946	2892	2799
75°	2301	2277	2169
80°	1697	1627	1536
85°	1025	1025	954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	3.3
10°-20°	433.8	9.5
20°-30°	678.1	14.9
30°-40°	842.7	18.5
40°-50°	878.1	19.3
50°-60°	761.9	16.8
60°-70°	523.9	11.5
70°-80°	236.4	5.2
80°-90°	43.3	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°	1260.6	27.7
0°-40°	2103.3	46.3
0°-60°	3743.3	82.3
0°-90°	4547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4547.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1563	1563	1563	1563	1563	
5°	1561	1561	1560	1559	1561	149
15°	1536	1536	1534	1533	1533	435
25°	1477	1477	1470	1464	1463	681
35°	1357	1357	1349	1341	1337	848
45°	1152	1152	1140	1132	1128	887
55°	871	866	850	840	839	776
65°	542	540	531	518	516	535
75°	221	222	219	213	209	241
85°	33	33	33	33	31	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1562.7	1562.7	1562.7	1562.7	1562.7
2.5°	1563.1	1563.1	1562.2	1560.9	1564.0
5°	1560.9	1561.3	1560.4	1559.0	1561.3
7.5°	1557.7	1558.1	1556.8	1555.4	1557.2
10°	1552.7	1552.2	1550.9	1549.9	1552.2
12.5°	1545.4	1544.9	1543.6	1542.7	1544.5
15°	1536.3	1536.3	1534.0	1532.7	1533.1
17.5°	1525.4	1525.4	1522.2	1519.0	1520.0
20°	1512.7	1512.2	1507.7	1504.5	1504.1
22.5°	1496.8	1496.8	1490.4	1486.3	1485.0
25°	1477.2	1476.8	1469.5	1463.6	1462.7
27.5°	1455.0	1454.1	1445.4	1439.5	1437.3
30°	1427.3	1426.4	1417.3	1410.9	1408.2
32.5°	1394.5	1395.9	1385.5	1378.2	1375.5
35°	1357.3	1357.3	1349.1	1341.4	1336.8
37.5°	1314.6	1314.6	1306.8	1299.1	1293.7
40°	1266.0	1266.4	1258.2	1248.7	1244.1
42.5°	1211.4	1212.3	1201.4	1193.7	1188.7
45°	1151.9	1152.4	1140.5	1131.9	1127.8
47.5°	1087.4	1086.5	1073.3	1066.0	1061.9
50°	1018.3	1016.5	1001.9	995.1	991.5
52.5°	946.1	942.4	929.7	919.7	916.5
55°	871.1	866.1	850.2	840.2	839.3
57.5°	792.9	787.0	773.8	764.3	760.7
60°	707.5	706.1	695.2	683.9	681.1
62.5°	627.5	623.4	613.9	600.3	598.9
65°	542.1	539.8	531.2	518.5	515.7
67.5°	453.9	456.2	448.9	437.6	433.9
70°	374.4	375.8	367.6	357.2	355.8
72.5°	294.4	296.7	289.9	283.1	281.7
75°	221.3	222.2	219.0	213.1	208.6
77.5°	157.2	160.4	156.8	152.7	149.0
80°	109.5	104.5	105.0	103.1	99.1
82.5°	65.9	63.6	63.2	61.3	59.5
85°	33.2	32.7	33.2	32.7	30.9
87.5°	10.9	11.8	12.3	12.3	11.4
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)