

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: P413002

Luminaire Tested: **14PD-45-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413002
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-L835
Description: 4500 LUMEN 1X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

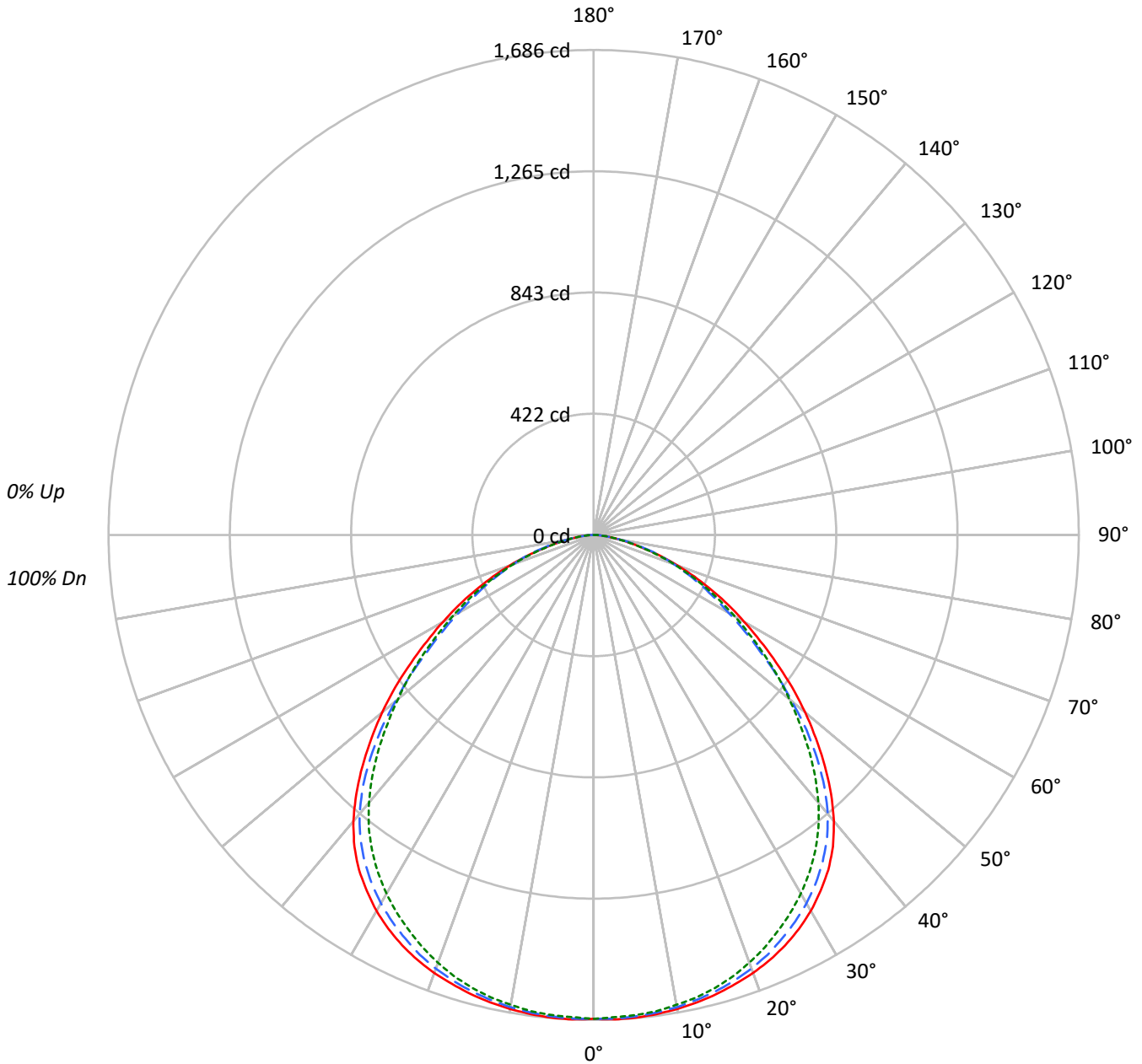
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4348.0 lumens
Efficiency: N/A
Efficacy: 101.4 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°	4528	4528	4528
5°	4551	4539	4527
10°	4573	4555	4532
15°	4604	4575	4542
20°	4641	4594	4532
25°	4674	4599	4506
30°	4690	4595	4475
35°	4670	4557	4410
40°	4564	4446	4268
45°	4325	4178	4024
50°	4015	3759	3715
55°	3636	3314	3387
60°	3251	2918	3046
65°	2869	2616	2707
70°	2441	2318	2335
75°	1877	1978	1823
80°	1375	1444	1364
85°	920	1013	991



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.9	3.7
10°-20°	463.5	10.7
20°-30°	712.8	16.4
30°-40°	862.6	19.8
40°-50°	842.1	19.4
50°-60°	650.7	15.0
60°-70°	417.9	9.6
70°-80°	197.2	4.5
80°-90°	41.4	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°	1336.2	30.7
0°-40°	2198.7	50.6
0°-60°	3691.5	84.9
0°-90°	4348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1682	1682	1682	1682	1682	
5°	1685	1677	1680	1679	1676	160
15°	1653	1644	1642	1636	1630	467
25°	1574	1562	1549	1529	1518	726
35°	1422	1406	1387	1356	1342	886
45°	1137	1122	1098	1069	1058	874
55°	775	738	706	707	722	695
65°	450	424	411	406	425	448
75°	180	184	190	174	175	198
85°	30	34	33	32	32	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1682.5	1682.5	1682.5	1682.5	1682.5
2.5°	1686.2	1679.5	1683.2	1683.2	1678.0
5°	1684.7	1677.3	1680.2	1678.8	1675.8
7.5°	1680.2	1672.8	1675.0	1673.5	1669.8
10°	1673.5	1665.3	1666.8	1663.8	1658.6
12.5°	1664.6	1657.1	1655.6	1651.2	1647.4
15°	1652.6	1644.4	1642.2	1636.2	1630.3
17.5°	1637.0	1628.8	1625.1	1616.1	1609.4
20°	1620.6	1610.9	1604.2	1590.7	1582.5
22.5°	1599.7	1588.5	1579.6	1560.9	1552.7
25°	1574.3	1561.7	1549.0	1528.9	1517.7
27.5°	1544.5	1531.1	1516.2	1493.8	1481.1
30°	1509.5	1496.0	1478.9	1453.5	1440.1
32.5°	1467.7	1454.3	1436.4	1407.3	1393.9
35°	1421.5	1406.5	1387.2	1355.8	1342.4
37.5°	1366.3	1349.9	1332.0	1297.7	1283.5
40°	1299.1	1285.0	1265.6	1231.3	1214.9
42.5°	1221.6	1208.9	1187.3	1154.5	1138.8
45°	1136.6	1122.4	1097.8	1069.4	1057.5
47.5°	1047.8	1026.9	1003.1	978.5	971.8
50°	959.1	932.2	897.9	885.2	887.5
52.5°	868.1	833.8	804.0	794.3	805.4
55°	774.9	737.6	706.3	707.0	721.9
57.5°	686.1	647.3	621.2	621.2	640.6
60°	604.1	568.3	542.2	541.4	566.0
62.5°	528.0	491.5	472.1	472.1	494.5
65°	450.5	423.6	410.9	406.5	425.1
67.5°	378.9	360.2	351.3	346.0	358.0
70°	310.2	298.3	294.6	288.6	296.8
72.5°	242.4	239.4	246.9	232.7	236.4
75°	180.5	183.5	190.2	174.5	175.3
77.5°	129.8	135.7	138.0	130.5	130.5
80°	88.7	96.2	93.2	89.5	88.0
82.5°	56.7	60.4	60.4	58.2	56.7
85°	29.8	34.3	32.8	32.1	32.1
87.5°	11.2	15.7	15.7	14.9	14.2
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)