

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: P412674

Luminaire Tested: **14PD-50-PP3-L935**

Issue Date: 9/15/2020

Test Information

Test Method: LM-79-08
Report Number: P412674
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-50-PP3-L935
Description: 5000 LUMEN 1X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

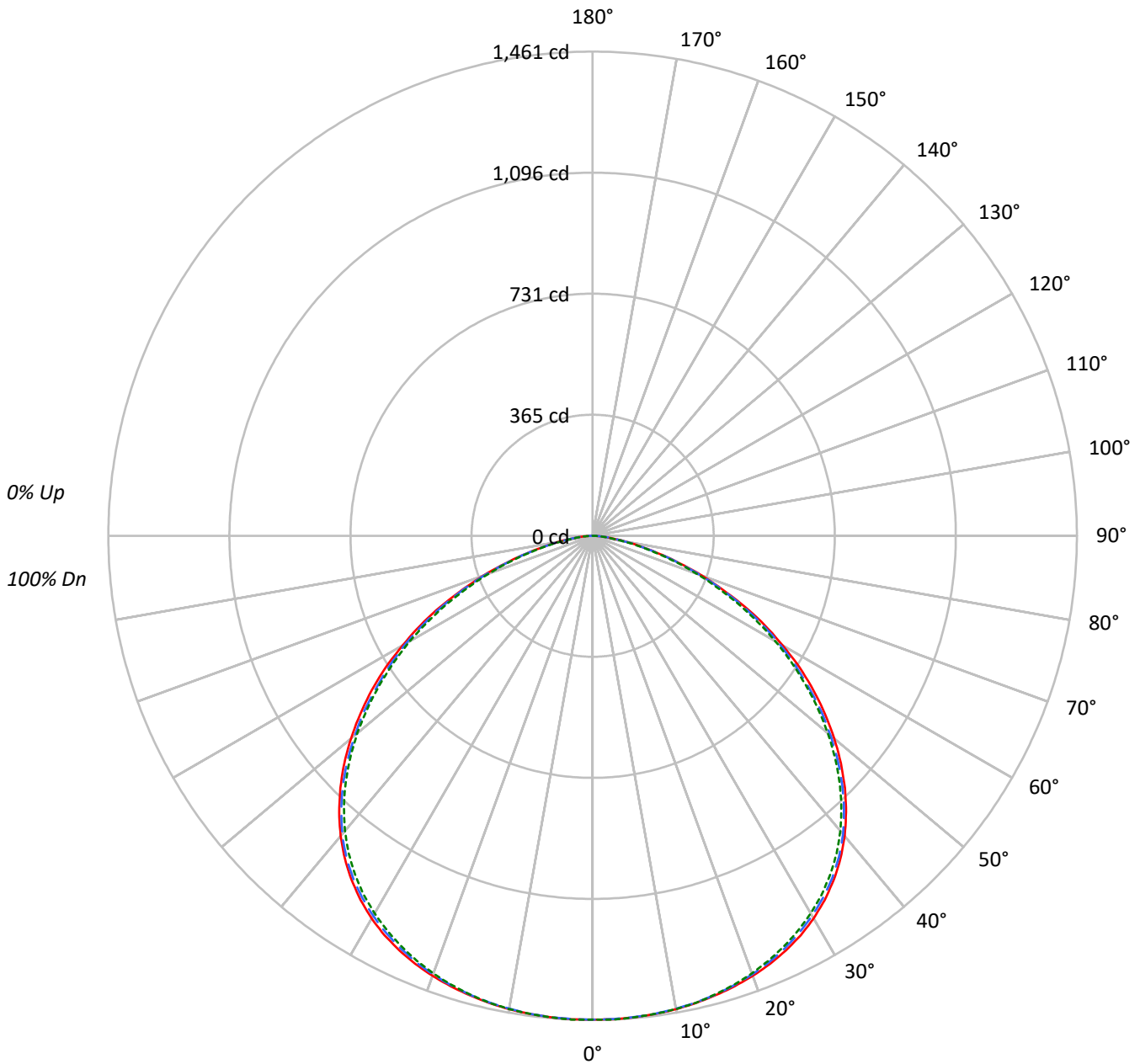
Lumens per Lamp: N/A
Luminaire Lumens: 4248.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.6
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: P412674

CATALOG NUMBER: 14PD-50-PP3-L935

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°	3929	3929	3929
5°	3939	3938	3940
10°	3964	3959	3962
15°	3999	3993	3990
20°	4047	4033	4024
25°	4098	4076	4057
30°	4143	4114	4088
35°	4165	4141	4103
40°	4155	4129	4083
45°	4096	4055	4010
50°	3983	3919	3878
55°	3818	3727	3679
60°	3557	3496	3425
65°	3224	3160	3068
70°	2752	2702	2615
75°	2149	2127	2026
80°	1585	1520	1433
85°	957	957	892



TEST NUMBER: P412674

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	3.3
10°-20°	405.3	9.5
20°-30°	633.5	14.9
30°-40°	787.3	18.5
40°-50°	820.3	19.3
50°-60°	711.8	16.8
60°-70°	489.5	11.5
70°-80°	220.9	5.2
80°-90°	40.5	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°	1177.7	27.7
0°-40°	1965.0	46.3
0°-60°	3497.2	82.3
0°-90°	4248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4248.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1460	1460	1460	1460	1460	
5°	1458	1459	1458	1456	1459	139
15°	1435	1435	1433	1432	1432	406
25°	1380	1380	1373	1367	1366	637
35°	1268	1268	1260	1253	1249	792
45°	1076	1077	1066	1058	1054	828
55°	814	809	794	785	784	725
65°	506	504	496	484	482	500
75°	207	208	205	199	195	225
85°	31	31	31	31	29	42
90°	0	0	0	0	0	



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CATALOG NUMBER: 14PD-50-PP3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1459.9	1459.9	1459.9	1459.9	1459.9
2.5°	1460.3	1460.3	1459.5	1458.2	1461.2
5°	1458.2	1458.6	1457.8	1456.5	1458.6
7.5°	1455.2	1455.7	1454.4	1453.1	1454.8
10°	1450.6	1450.1	1448.9	1448.0	1450.1
12.5°	1443.8	1443.4	1442.1	1441.2	1442.9
15°	1435.3	1435.3	1433.2	1431.9	1432.3
17.5°	1425.1	1425.1	1422.1	1419.2	1420.0
20°	1413.2	1412.8	1408.5	1405.6	1405.2
22.5°	1398.4	1398.4	1392.4	1388.6	1387.3
25°	1380.1	1379.7	1372.9	1367.4	1366.5
27.5°	1359.3	1358.5	1350.4	1344.9	1342.7
30°	1333.4	1332.6	1324.1	1318.1	1315.6
32.5°	1302.8	1304.1	1294.4	1287.6	1285.0
35°	1268.0	1268.0	1260.4	1253.2	1248.9
37.5°	1228.1	1228.1	1220.9	1213.7	1208.6
40°	1182.7	1183.1	1175.5	1166.6	1162.3
42.5°	1131.8	1132.6	1122.4	1115.2	1110.5
45°	1076.2	1076.6	1065.5	1057.5	1053.7
47.5°	1015.9	1015.0	1002.7	995.9	992.1
50°	951.3	949.6	936.1	929.7	926.3
52.5°	883.8	880.4	868.6	859.2	856.3
55°	813.8	809.1	794.3	784.9	784.1
57.5°	740.8	735.3	723.0	714.0	710.6
60°	661.0	659.7	649.5	638.9	636.4
62.5°	586.3	582.4	573.5	560.8	559.5
65°	506.4	504.3	496.3	484.4	481.8
67.5°	424.1	426.2	419.4	408.8	405.4
70°	349.8	351.1	343.4	333.7	332.4
72.5°	275.1	277.2	270.8	264.5	263.2
75°	206.7	207.6	204.6	199.1	194.9
77.5°	146.9	149.9	146.5	142.6	139.2
80°	102.3	97.6	98.1	96.4	92.5
82.5°	61.6	59.4	59.0	57.3	55.6
85°	31.0	30.6	31.0	30.6	28.9
87.5°	10.2	11.0	11.5	11.5	10.6
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)