

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: P412300

Luminaire Tested: **14PD-35-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412300
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-35-PB1-L835
Description: 3500 LUMEN 1X4 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

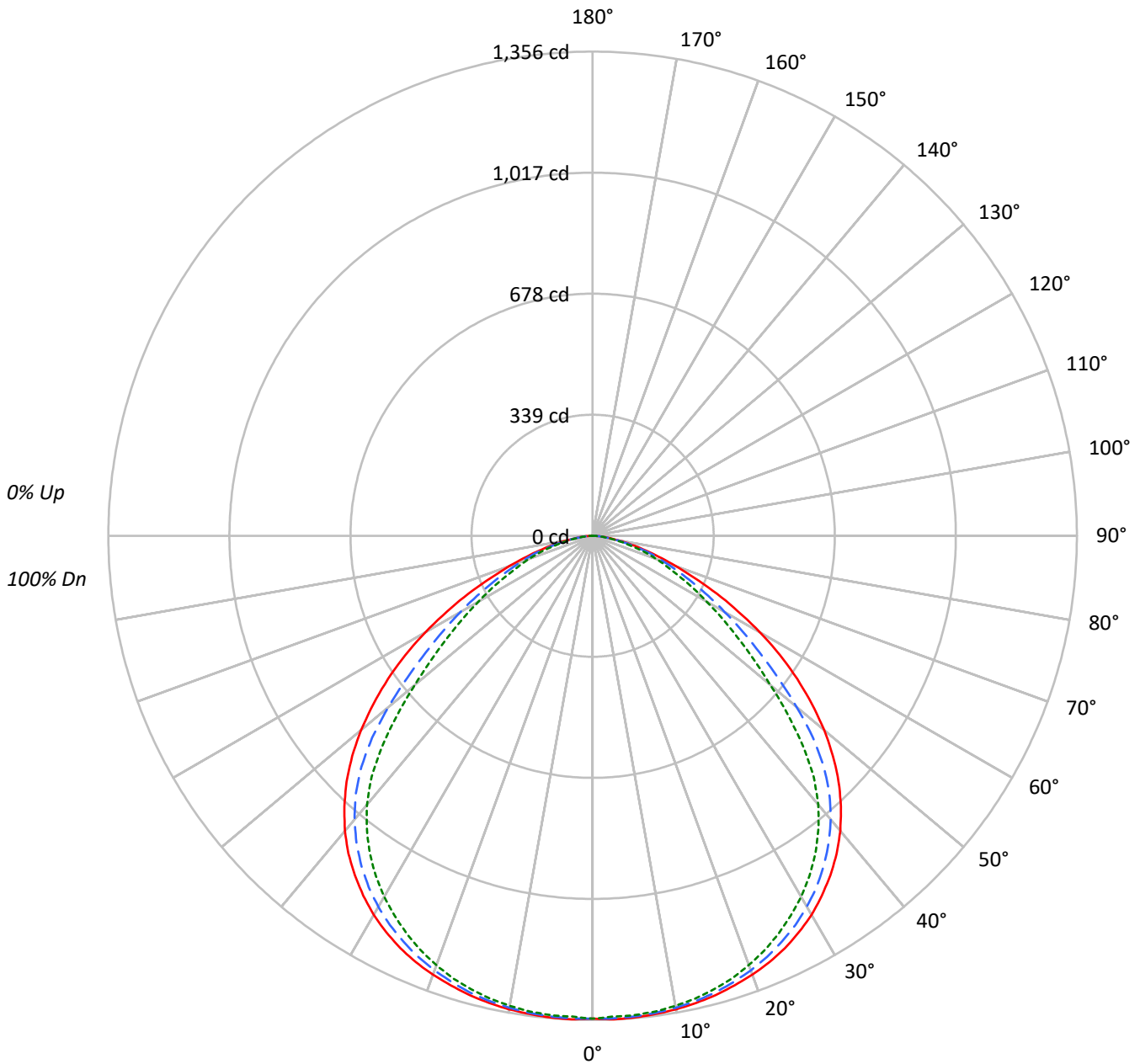
Lumens per Lamp: N/A
Luminaire Lumens: 3486.0 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.28 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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

TEST NUMBER: P412300

CATALOG NUMBER: 14PD-35-PB1-L835

Luminous Intensity Polar Plot





TEST NUMBER: P412300

CATALOG NUMBER: 14PD-35-PB1-L835

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	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°	3639	3639	3639
5°	3658	3650	3640
10°	3680	3667	3653
15°	3709	3690	3663
20°	3745	3709	3664
25°	3784	3723	3653
30°	3809	3728	3627
35°	3812	3707	3571
40°	3790	3643	3452
45°	3707	3484	3170
50°	3543	3121	2717
55°	3281	2676	2320
60°	2914	2298	1983
65°	2446	1959	1698
70°	1939	1666	1497
75°	1516	1359	1190
80°	1130	1013	914
85°	750	661	608



TEST NUMBER: P412300

CATALOG NUMBER: 14PD-35-PB1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	3.7
10°-20°	373.7	10.7
20°-30°	577.1	16.6
30°-40°	702.4	20.1
40°-50°	695.0	19.9
50°-60°	523.7	15.0
60°-70°	314.7	9.0
70°-80°	141.8	4.1
80°-90°	29.0	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°	1079.4	31.0
0°-40°	1781.8	51.1
0°-60°	3000.5	86.1
0°-90°	3486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1352	1352	1352	1352	1352	
5°	1354	1349	1351	1350	1348	129
15°	1332	1325	1325	1319	1315	376
25°	1274	1264	1254	1237	1230	587
35°	1160	1148	1128	1101	1087	725
45°	974	957	916	860	833	748
55°	699	650	570	515	495	623
65°	384	348	308	275	267	382
75°	146	138	131	119	114	159
85°	24	25	21	20	20	31
90°	0	0	0	0	0	



TEST NUMBER: P412300

CATALOG NUMBER: 14PD-35-PB1-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1352.4	1352.4	1352.4	1352.4	1352.4
2.5°	1355.8	1350.0	1352.9	1352.4	1347.7
5°	1354.1	1348.9	1351.2	1350.0	1347.7
7.5°	1351.2	1346.0	1347.7	1346.0	1343.7
10°	1346.6	1340.8	1342.0	1338.5	1336.7
12.5°	1340.2	1333.3	1334.4	1329.8	1327.5
15°	1331.5	1325.2	1324.6	1319.4	1314.8
17.5°	1320.5	1314.2	1310.7	1304.9	1299.7
20°	1307.8	1299.7	1295.1	1284.7	1279.5
22.5°	1292.8	1284.1	1276.6	1262.1	1256.9
25°	1274.3	1264.4	1254.0	1237.3	1230.3
27.5°	1251.7	1241.3	1229.2	1210.6	1200.2
30°	1225.7	1214.7	1199.7	1178.3	1167.3
32.5°	1195.0	1182.9	1166.7	1141.2	1129.7
35°	1160.3	1147.6	1128.5	1100.7	1086.9
37.5°	1122.7	1108.3	1085.7	1052.2	1038.3
40°	1078.8	1064.3	1037.1	998.4	982.7
42.5°	1029.0	1014.6	981.6	935.3	916.2
45°	974.1	957.3	915.6	859.5	832.9
47.5°	912.8	891.4	837.0	768.2	741.5
50°	846.2	817.9	745.6	675.0	649.0
52.5°	773.9	738.1	654.8	591.7	566.9
55°	699.3	650.2	570.3	514.8	494.6
57.5°	621.8	562.8	496.3	447.7	428.6
60°	541.4	484.1	426.9	382.3	368.5
62.5°	459.3	412.4	365.0	323.9	316.4
65°	384.1	348.2	307.7	275.3	266.7
67.5°	308.3	288.1	256.8	234.8	225.0
70°	246.4	233.1	211.7	193.8	190.3
72.5°	192.6	183.9	175.8	160.2	153.9
75°	145.8	138.2	130.7	118.6	114.5
77.5°	105.3	102.4	96.0	87.9	86.2
80°	72.9	72.9	65.4	60.7	59.0
82.5°	45.1	49.2	41.1	38.2	36.4
85°	24.3	24.9	21.4	20.2	19.7
87.5°	9.3	10.4	9.8	8.1	8.1
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)