

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: P505950

Luminaire Tested: **14PD-45-PL1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P505950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-45-PL1-L935
Description: 4500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

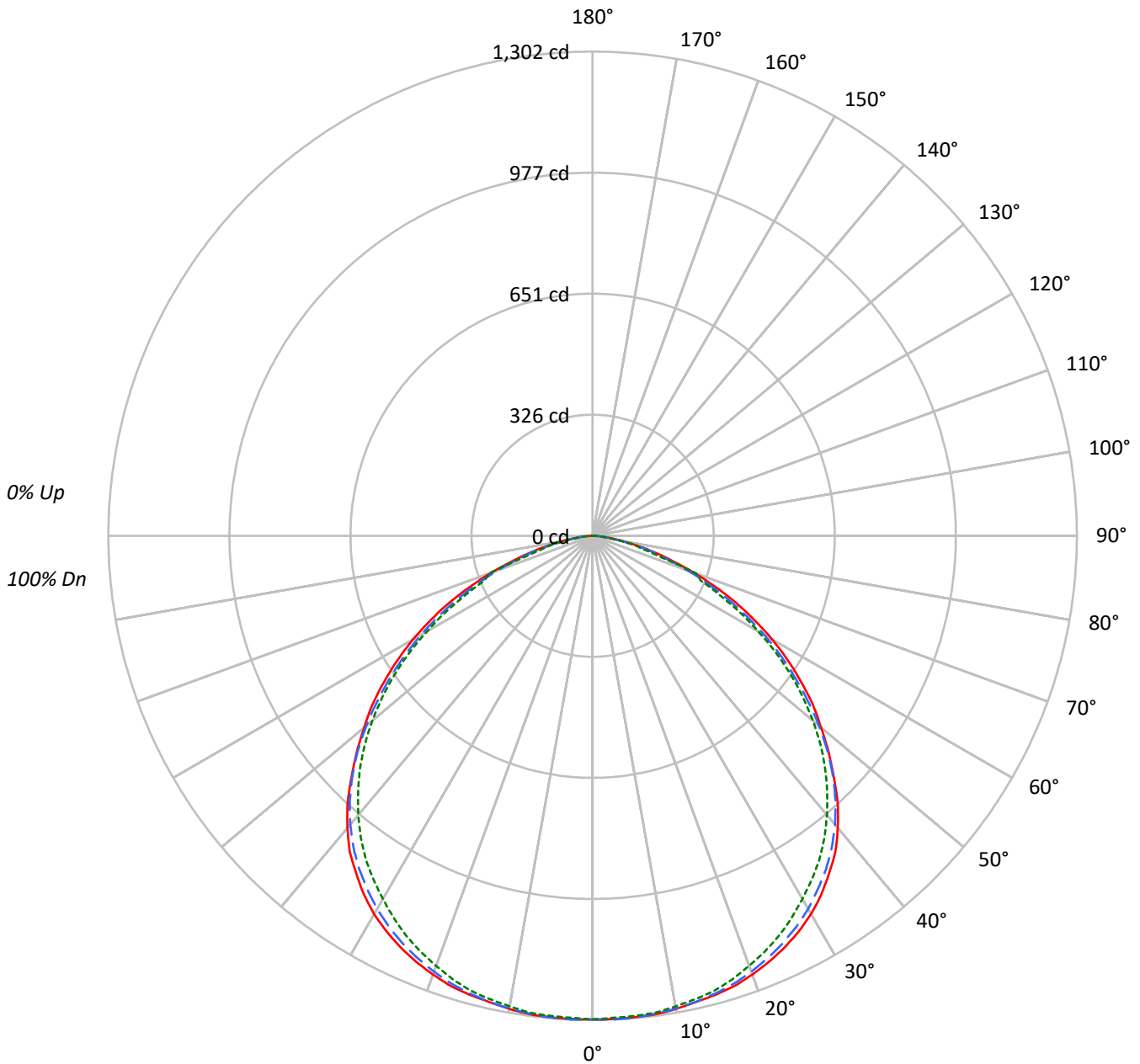
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3614.8 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
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

TEST NUMBER: P505950
CATALOG NUMBER: 14PD-45-PL1-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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3500	3500	3500
5°	3511	3513	3502
10°	3531	3527	3511
15°	3560	3550	3528
20°	3596	3571	3524
25°	3626	3590	3522
30°	3651	3600	3504
35°	3642	3595	3491
40°	3603	3560	3442
45°	3487	3476	3365
50°	3355	3325	3235
55°	3210	3116	3046
60°	2998	2864	2767
65°	2702	2533	2397
70°	2259	2119	2327
75°	1782	1716	1485
80°	1285	1141	1162
85°	815	682	639



TEST NUMBER: P505950

CATALOG NUMBER: 14PD-45-PL1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.7	3.4
10°-20°	359.4	9.9
20°-30°	555.8	15.4
30°-40°	680.2	18.8
40°-50°	697.3	19.3
50°-60°	593.9	16.4
60°-70°	396.9	11.0
70°-80°	175.9	4.9
80°-90°	31.8	0.9
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°	1038.9	28.7
0°-40°	1719.1	47.6
0°-60°	3010.3	83.3
0°-90°	3614.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3614.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1301	1301	1301	1301	1301	
5°	1300	1297	1301	1300	1296	124
15°	1278	1274	1274	1271	1266	361
25°	1221	1217	1209	1194	1186	563
35°	1108	1106	1094	1070	1063	693
45°	916	919	914	893	884	707
55°	684	681	664	651	649	610
65°	424	421	398	380	376	418
75°	171	174	165	166	143	186
85°	26	26	22	21	21	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1300.6	1300.6	1300.6	1300.6	1300.6
2.5°	1300.6	1298.5	1302.1	1303.5	1297.1
5°	1299.9	1297.1	1300.6	1299.9	1296.3
7.5°	1297.8	1292.8	1296.3	1294.9	1293.5
10°	1292.1	1287.8	1290.6	1288.5	1284.9
12.5°	1284.2	1281.3	1283.5	1281.3	1276.3
15°	1277.8	1273.5	1274.2	1270.6	1266.3
17.5°	1269.2	1262.8	1262.8	1255.6	1250.6
20°	1255.6	1249.9	1247.1	1237.1	1230.6
22.5°	1239.9	1235.6	1229.9	1217.1	1209.9
25°	1221.3	1217.1	1209.2	1193.5	1186.3
27.5°	1199.9	1194.2	1185.6	1167.1	1158.5
30°	1174.9	1167.8	1158.5	1137.8	1127.8
32.5°	1144.2	1139.2	1127.1	1105.6	1096.4
35°	1108.5	1105.6	1094.2	1069.9	1062.8
37.5°	1072.1	1066.4	1056.4	1030.6	1023.5
40°	1025.6	1022.1	1013.5	988.5	979.9
42.5°	975.6	973.5	966.4	942.8	933.5
45°	916.4	919.2	913.5	892.8	884.2
47.5°	859.9	858.5	856.4	837.8	830.7
50°	801.4	798.5	794.2	779.2	772.8
52.5°	746.4	740.7	729.2	716.4	712.1
55°	684.2	680.7	664.2	650.7	649.2
57.5°	621.4	619.2	599.2	583.5	583.5
60°	557.1	554.2	532.1	515.7	514.2
62.5°	490.0	487.8	465.0	446.4	447.1
65°	424.3	420.7	397.8	380.0	376.4
67.5°	355.7	354.3	332.1	315.7	314.3
70°	287.1	287.1	269.3	255.0	295.7
72.5°	226.4	224.3	210.0	203.6	194.3
75°	171.4	173.6	165.0	165.7	142.8
77.5°	122.1	118.6	115.0	107.1	113.6
80°	82.9	80.7	73.6	71.4	75.0
82.5°	51.4	52.1	45.7	41.4	40.7
85°	26.4	25.7	22.1	21.4	20.7
87.5°	10.0	10.7	9.3	8.6	7.9
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)