

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: P505958

Luminaire Tested: **14PD-45-PR1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-45-PR1-L930
Description: 4500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

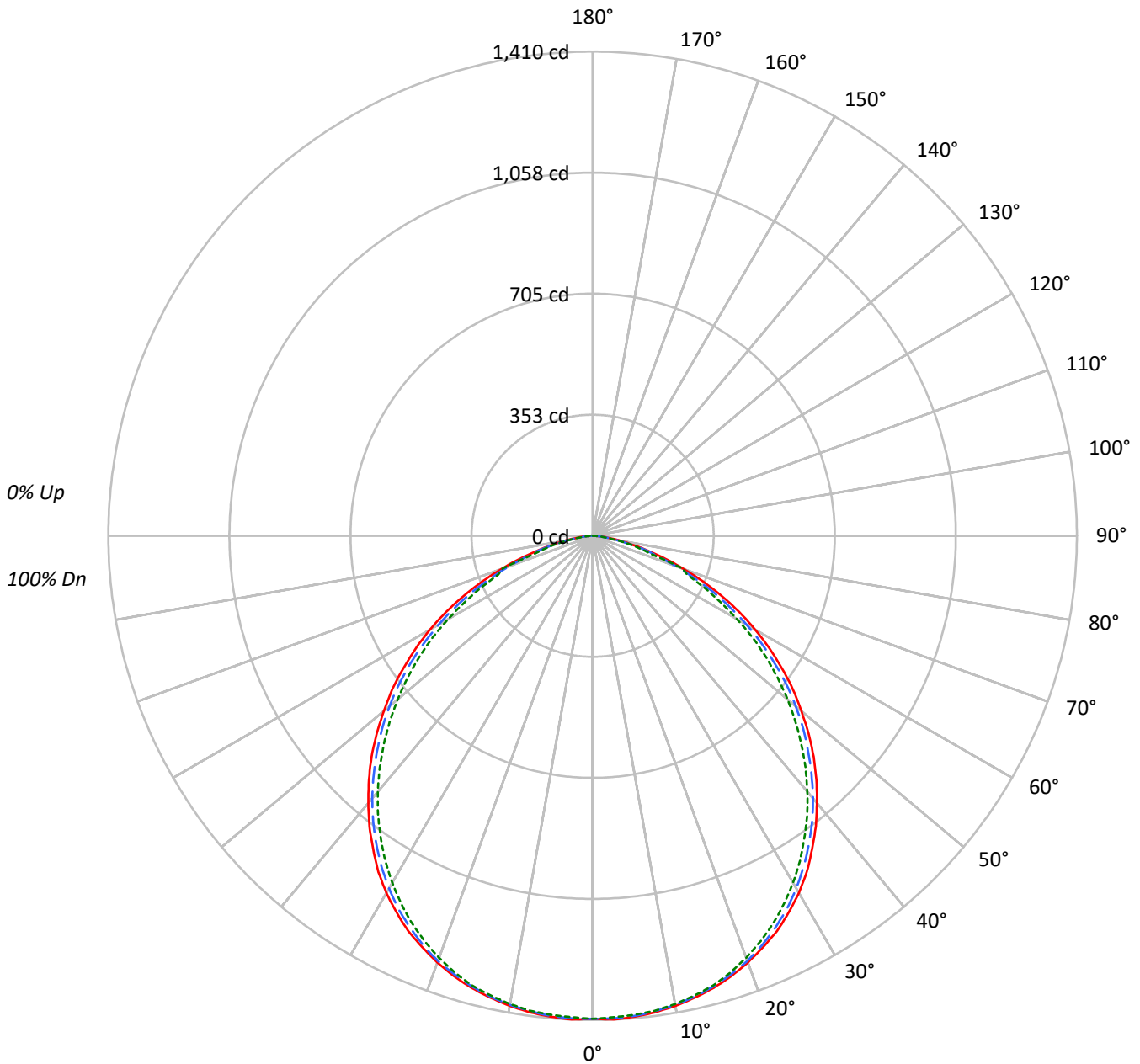
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3620.0 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
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: P505958
CATALOG NUMBER: 14PD-45-PR1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P505958

CATALOG NUMBER: 14PD-45-PR1-L930

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	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3785	3785	3785
5°	3798	3792	3783
10°	3798	3790	3783
15°	3796	3785	3777
20°	3787	3773	3745
25°	3771	3738	3697
30°	3732	3685	3626
35°	3660	3605	3531
40°	3568	3507	3417
45°	3463	3378	3272
50°	3319	3231	3100
55°	3157	3033	2890
60°	2940	2786	2613
65°	2639	2453	2294
70°	2220	2023	2187
75°	1709	1645	1477
80°	1230	1102	1048
85°	753	645	580



TEST NUMBER: P505958

CATALOG NUMBER: 14PD-45-PR1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	3.7
10°-20°	383.1	10.6
20°-30°	578.6	16.0
30°-40°	684.5	18.9
40°-50°	682.5	18.9
50°-60°	576.6	15.9
60°-70°	384.2	10.6
70°-80°	166.9	4.6
80°-90°	30.3	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°	1095.0	30.2
0°-40°	1779.5	49.2
0°-60°	3038.6	83.9
0°-90°	3620.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3620.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1406	1400	1404	1402	1400	134
15°	1363	1356	1359	1356	1356	385
25°	1270	1262	1259	1248	1245	584
35°	1114	1106	1097	1083	1075	697
45°	910	902	888	869	860	701
55°	673	668	646	626	616	601
65°	414	410	385	369	360	410
75°	164	161	158	153	142	180
85°	24	25	21	20	19	33
90°	0	0	0	0	0	



TEST NUMBER: P505958

CATALOG NUMBER: 14PD-45-PR1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1406.6	1406.6	1406.6	1406.6	1406.6
2.5°	1410.1	1403.8	1406.6	1406.6	1403.2
5°	1405.9	1400.4	1403.8	1402.5	1400.4
7.5°	1399.7	1394.1	1396.2	1395.5	1394.8
10°	1389.9	1384.3	1387.1	1385.7	1384.3
12.5°	1377.4	1371.8	1374.6	1372.5	1371.1
15°	1362.7	1356.5	1358.6	1356.5	1355.8
17.5°	1344.6	1338.4	1339.1	1336.3	1333.5
20°	1322.3	1316.8	1317.5	1310.5	1307.7
22.5°	1296.6	1291.0	1290.3	1281.2	1277.7
25°	1270.1	1261.7	1258.9	1247.8	1245.0
27.5°	1236.6	1229.0	1224.8	1213.0	1207.4
30°	1201.1	1192.7	1185.8	1172.5	1167.0
32.5°	1160.7	1152.3	1143.3	1129.3	1123.1
35°	1114.0	1106.4	1097.3	1082.7	1075.0
37.5°	1067.3	1059.0	1049.9	1032.5	1026.2
40°	1015.8	1008.1	998.4	979.6	972.6
42.5°	964.2	955.2	943.3	925.2	917.6
45°	909.9	901.5	887.6	868.8	859.7
47.5°	852.8	845.8	831.2	811.0	801.2
50°	792.8	787.3	771.9	749.6	740.6
52.5°	735.7	728.0	710.6	688.3	678.6
55°	673.0	668.1	646.5	625.6	615.9
57.5°	610.3	604.0	582.4	561.5	552.5
60°	546.2	540.6	517.6	496.7	485.6
62.5°	481.4	475.1	450.8	432.0	421.5
65°	414.5	409.7	385.3	368.6	360.2
67.5°	347.7	344.2	318.4	304.5	298.2
70°	282.2	277.3	257.1	251.5	278.0
72.5°	221.6	215.3	197.9	188.8	181.8
75°	164.4	160.9	158.2	152.6	142.1
77.5°	115.7	115.0	105.2	97.5	105.2
80°	79.4	82.2	71.1	64.8	67.6
82.5°	48.8	54.3	42.5	37.6	36.2
85°	24.4	25.1	20.9	19.5	18.8
87.5°	9.1	10.5	9.1	7.7	7.7
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)