

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: P505926

Luminaire Tested: **14PD-40-PR1-L830**

Issue Date: 3/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P505926  
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-40-PR1-L830  
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

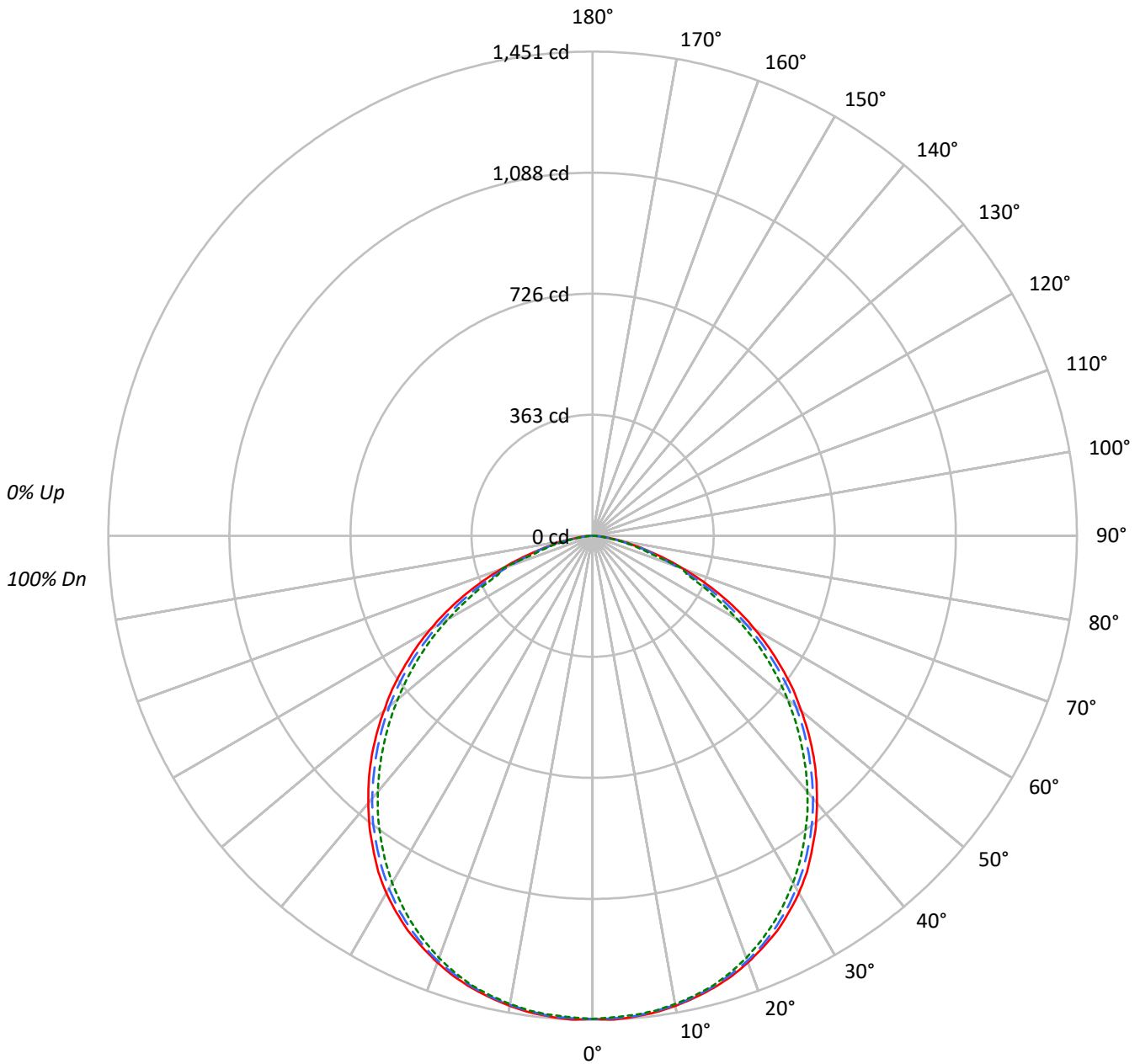
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3726.0 lumens  
Efficiency: N/A  
Efficacy: 98.6 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): 37.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	3896	3896	3896
5°	3909	3903	3894
10°	3909	3901	3894
15°	3908	3896	3888
20°	3898	3883	3855
25°	3882	3847	3805
30°	3842	3792	3732
35°	3767	3710	3635
40°	3673	3610	3517
45°	3564	3477	3368
50°	3417	3326	3191
55°	3250	3122	2974
60°	3026	2868	2690
65°	2717	2525	2360
70°	2285	2082	2251
75°	1759	1693	1521
80°	1266	1133	1079
85°	775	664	599



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.2	3.7
10°-20°	394.3	10.6
20°-30°	595.5	16.0
30°-40°	704.6	18.9
40°-50°	702.5	18.9
50°-60°	593.5	15.9
60°-70°	395.4	10.6
70°-80°	171.8	4.6
80°-90°	31.2	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°	1127.1	30.2
0°-40°	1831.6	49.2
0°-60°	3127.6	83.9
0°-90°	3726.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3726.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1448	1448	1448	1448	1448	
5°	1447	1441	1445	1444	1441	138
15°	1403	1396	1398	1396	1396	396
25°	1307	1299	1296	1284	1282	602
35°	1147	1139	1129	1114	1106	717
45°	936	928	914	894	885	721
55°	693	688	666	644	634	618
65°	427	422	397	379	371	422
75°	169	166	163	157	146	185
85°	25	26	22	20	19	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1447.8	1447.8	1447.8	1447.8	1447.8
2.5°	1451.4	1445.0	1447.8	1447.8	1444.2
5°	1447.1	1441.4	1445.0	1443.5	1441.4
7.5°	1440.7	1434.9	1437.1	1436.3	1435.6
10°	1430.6	1424.9	1427.7	1426.3	1424.9
12.5°	1417.7	1412.0	1414.8	1412.7	1411.3
15°	1402.6	1396.2	1398.3	1396.2	1395.5
17.5°	1384.0	1377.5	1378.3	1375.4	1372.5
20°	1361.1	1355.3	1356.0	1348.9	1346.0
22.5°	1334.5	1328.8	1328.1	1318.7	1315.2
25°	1307.3	1298.7	1295.8	1284.3	1281.5
27.5°	1272.9	1265.0	1260.7	1248.5	1242.7
30°	1236.3	1227.7	1220.5	1206.9	1201.1
32.5°	1194.7	1186.1	1176.8	1162.4	1156.0
35°	1146.6	1138.8	1129.4	1114.4	1106.5
37.5°	1098.6	1090.0	1080.7	1062.7	1056.3
40°	1045.5	1037.6	1027.6	1008.2	1001.1
42.5°	992.5	983.1	971.0	952.3	944.4
45°	936.5	927.9	913.6	894.2	884.9
47.5°	877.7	870.6	855.5	834.7	824.7
50°	816.1	810.3	794.5	771.6	762.3
52.5°	757.3	749.4	731.4	708.5	698.5
55°	692.7	687.7	665.5	644.0	633.9
57.5°	628.2	621.7	599.5	578.0	568.7
60°	562.2	556.5	532.8	511.3	499.8
62.5°	495.5	489.1	464.0	444.6	433.8
65°	426.7	421.7	396.6	379.3	370.7
67.5°	357.8	354.2	327.7	313.4	306.9
70°	290.4	285.4	264.6	258.9	286.1
72.5°	228.0	221.6	203.7	194.3	187.2
75°	169.2	165.6	162.8	157.0	146.3
77.5°	119.0	118.3	108.3	100.4	108.3
80°	81.7	84.6	73.1	66.7	69.6
82.5°	50.2	55.9	43.7	38.7	37.3
85°	25.1	25.8	21.5	20.1	19.4
87.5°	9.3	10.8	9.3	7.9	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)