

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: P505870

Luminaire Tested: **14PD-30-PL1-L940**

Issue Date: 3/26/2021



**Test Information**

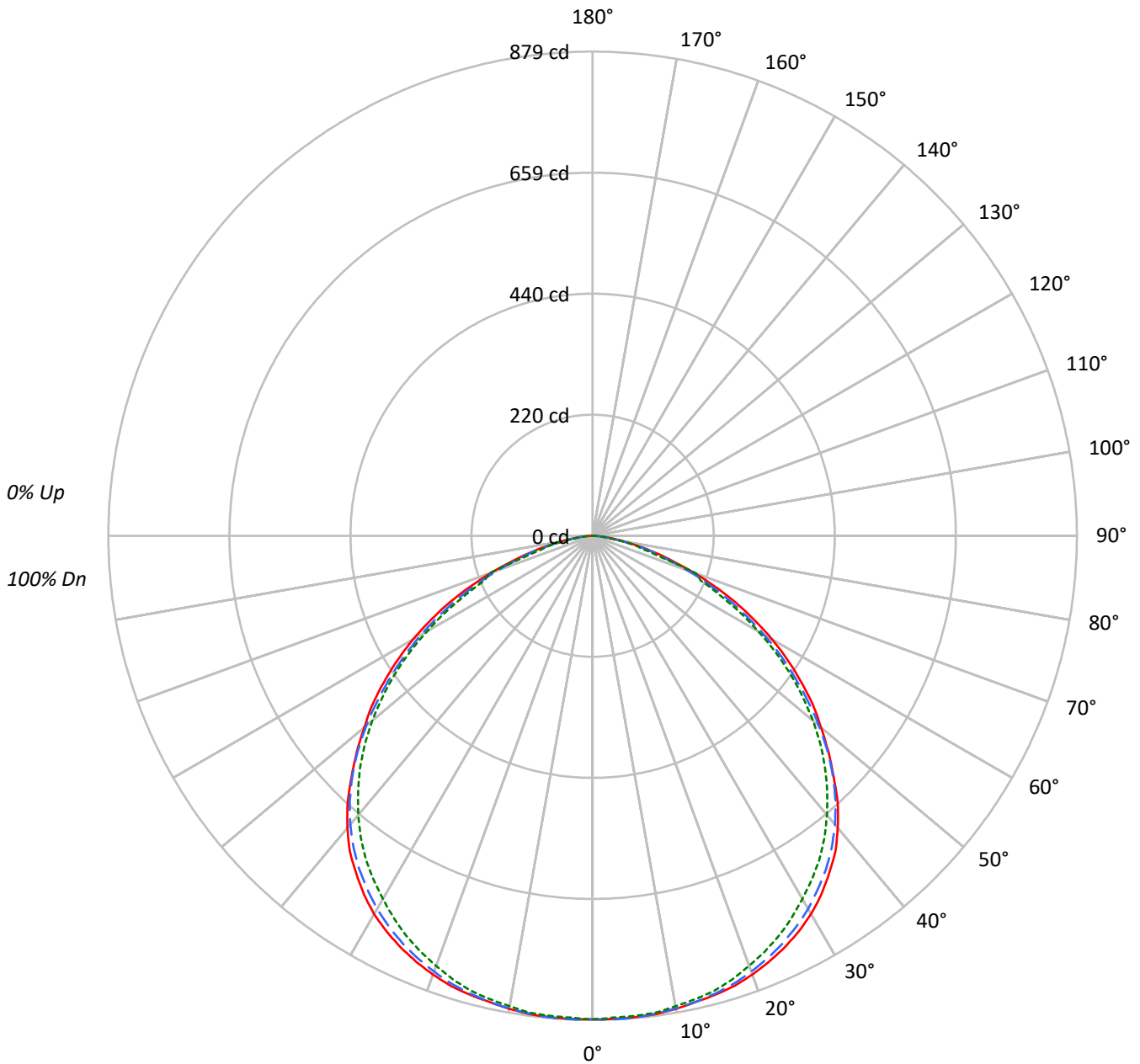
Test Method: LM-79-08  
Report Number: P505870  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-30-PL1-L940  
Description: 3000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2440.3 lumens  
Efficiency: N/A  
Efficacy: 90.4 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): 27  
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				20				
RC	80				70				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°	2363	2363	2363
5°	2371	2372	2364
10°	2383	2381	2370
15°	2403	2396	2382
20°	2428	2411	2379
25°	2448	2424	2378
30°	2465	2430	2366
35°	2458	2427	2357
40°	2432	2403	2324
45°	2354	2347	2272
50°	2265	2245	2184
55°	2167	2104	2056
60°	2024	1933	1869
65°	1824	1710	1618
70°	1525	1430	1570
75°	1203	1158	1002
80°	866	770	784
85°	550	460	432



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	3.4
10°-20°	242.7	9.9
20°-30°	375.2	15.4
30°-40°	459.2	18.8
40°-50°	470.7	19.3
50°-60°	400.9	16.4
60°-70°	267.9	11.0
70°-80°	118.7	4.9
80°-90°	21.5	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°	701.3	28.7
0°-40°	1160.5	47.6
0°-60°	2032.2	83.3
0°-90°	2440.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2440.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	878	876	878	878	875	84
15°	863	860	860	858	855	244
25°	824	822	816	806	801	380
35°	748	746	739	722	718	468
45°	619	621	617	603	597	477
55°	462	460	448	439	438	412
65°	286	284	269	256	254	282
75°	116	117	111	112	96	125
85°	18	17	15	14	14	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	878.0	878.0	878.0	878.0	878.0
2.5°	878.0	876.6	879.0	880.0	875.6
5°	877.6	875.6	878.0	877.6	875.1
7.5°	876.1	872.7	875.1	874.2	873.2
10°	872.2	869.4	871.3	869.8	867.4
12.5°	866.9	865.0	866.5	865.0	861.6
15°	862.6	859.7	860.2	857.8	854.9
17.5°	856.8	852.5	852.5	847.7	844.3
20°	847.7	843.8	841.9	835.1	830.8
22.5°	837.0	834.2	830.3	821.6	816.8
25°	824.5	821.6	816.3	805.7	800.9
27.5°	810.0	806.2	800.4	787.9	782.1
30°	793.2	788.3	782.1	768.1	761.3
32.5°	772.4	769.1	760.9	746.4	740.1
35°	748.3	746.4	738.7	722.3	717.5
37.5°	723.7	719.9	713.1	695.8	691.0
40°	692.4	690.0	684.2	667.3	661.5
42.5°	658.6	657.2	652.4	636.5	630.2
45°	618.6	620.6	616.7	602.7	596.9
47.5°	580.5	579.6	578.1	565.6	560.8
50°	541.0	539.1	536.2	526.0	521.7
52.5°	503.9	500.0	492.3	483.6	480.7
55°	461.9	459.5	448.4	439.3	438.3
57.5°	419.5	418.0	404.5	393.9	393.9
60°	376.1	374.2	359.2	348.1	347.2
62.5°	330.8	329.3	313.9	301.4	301.8
65°	286.4	284.0	268.6	256.5	254.1
67.5°	240.1	239.2	224.2	213.1	212.2
70°	193.8	193.8	181.8	172.1	199.6
72.5°	152.8	151.4	141.8	137.4	131.2
75°	115.7	117.2	111.4	111.9	96.4
77.5°	82.5	80.0	77.6	72.3	76.7
80°	55.9	54.5	49.7	48.2	50.6
82.5°	34.7	35.2	30.9	28.0	27.5
85°	17.8	17.4	14.9	14.5	14.0
87.5°	6.8	7.2	6.3	5.8	5.3
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)