

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: P506583

Luminaire Tested: **24PD-30-PW1-L830**

Issue Date: 3/26/2021



**Test Information**

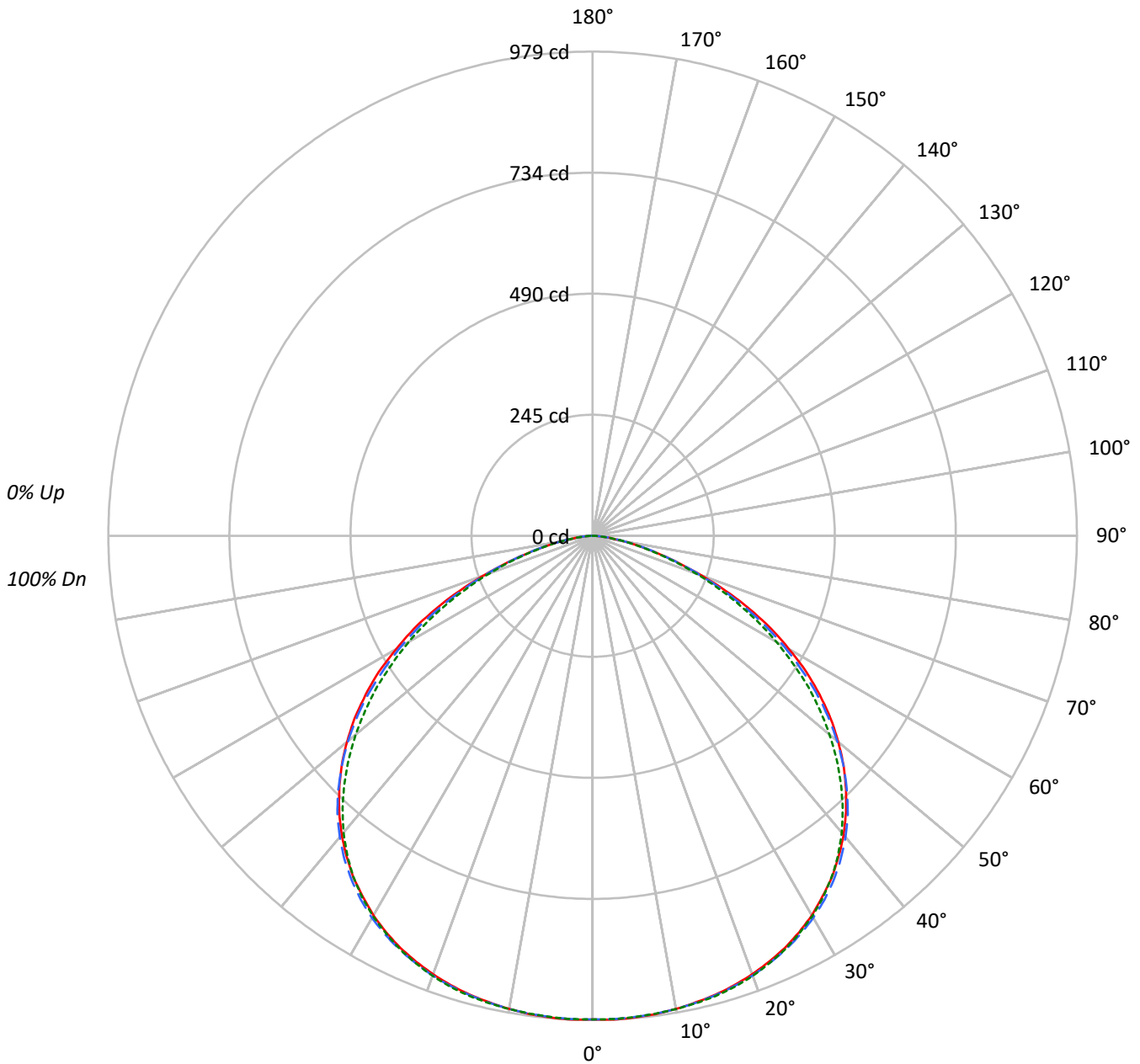
Test Method: LM-79-08  
Report Number: P506583  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-30-PW1-L830  
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2868.2 lumens  
Efficiency: N/A  
Efficacy: 134.7 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.3  
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1316	1316	1316
5°	1321	1319	1319
10°	1327	1327	1328
15°	1338	1339	1342
20°	1351	1355	1356
25°	1365	1371	1369
30°	1377	1386	1380
35°	1385	1396	1384
40°	1387	1397	1376
45°	1378	1384	1350
50°	1357	1351	1308
55°	1314	1293	1247
60°	1234	1202	1155
65°	1113	1072	1028
70°	917	903	870
75°	701	709	680
80°	487	501	490
85°	290	304	295



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.1	3.2
10°-20°	271.9	9.5
20°-30°	425.2	14.8
30°-40°	528.9	18.4
40°-50°	555.9	19.4
50°-60°	487.9	17.0
60°-70°	332.3	11.6
70°-80°	146.6	5.1
80°-90°	26.4	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°	790.2	27.6
0°-40°	1319.2	46.0
0°-60°	2363.0	82.4
0°-90°	2868.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2868.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	978	978	977	976	977	93
15°	961	962	961	961	963	272
25°	919	922	924	923	922	424
35°	843	847	850	846	842	527
45°	724	729	727	715	710	558
55°	560	558	551	536	531	499
65°	350	341	337	329	323	345
75°	135	136	136	134	131	148
85°	19	20	20	19	19	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	978.1	978.1	978.1	978.1	978.1
2.5°	979.2	978.6	978.1	977.2	978.1
5°	977.8	977.5	976.7	975.6	976.7
7.5°	975.6	975.6	974.8	974.0	974.5
10°	971.5	972.3	971.5	970.7	971.8
12.5°	966.1	967.4	967.1	967.1	968.0
15°	960.6	961.7	961.4	961.4	963.3
17.5°	952.9	954.3	954.6	955.1	956.2
20°	943.4	945.3	946.4	946.1	946.9
22.5°	932.2	934.4	935.2	935.7	935.2
25°	919.4	921.8	923.5	922.9	922.1
27.5°	903.8	906.5	908.7	907.3	905.7
30°	886.3	888.8	892.1	889.6	888.0
32.5°	864.7	869.4	872.4	869.4	866.9
35°	843.2	847.0	849.7	845.6	842.4
37.5°	817.0	821.6	824.1	818.3	814.8
40°	789.4	794.0	795.4	788.0	783.4
42.5°	758.0	763.2	763.7	753.3	748.2
45°	724.4	729.0	727.1	715.1	709.7
47.5°	688.1	691.4	687.3	675.0	669.0
50°	648.2	650.1	645.2	630.7	625.0
52.5°	606.2	605.9	599.6	585.1	578.9
55°	560.0	557.8	551.0	536.5	531.4
57.5°	512.8	506.0	498.6	486.3	479.5
60°	458.5	453.3	446.7	434.4	429.2
62.5°	407.1	397.8	392.4	381.5	376.8
65°	349.5	341.0	336.7	329.3	323.0
67.5°	291.6	285.1	282.1	276.9	271.1
70°	233.2	231.3	229.6	224.7	221.2
72.5°	181.6	181.0	180.8	178.0	174.5
75°	134.9	135.7	136.3	133.8	130.8
77.5°	96.1	97.5	97.2	95.8	95.0
80°	62.8	63.9	64.7	63.3	63.3
82.5°	38.0	39.0	38.8	39.3	38.2
85°	18.8	19.7	19.7	19.4	19.1
87.5°	6.8	7.1	6.8	7.1	6.8
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)