

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: P506574

Luminaire Tested: **24PD-30-PR1-L830**

Issue Date: 3/26/2021

**Test Information**

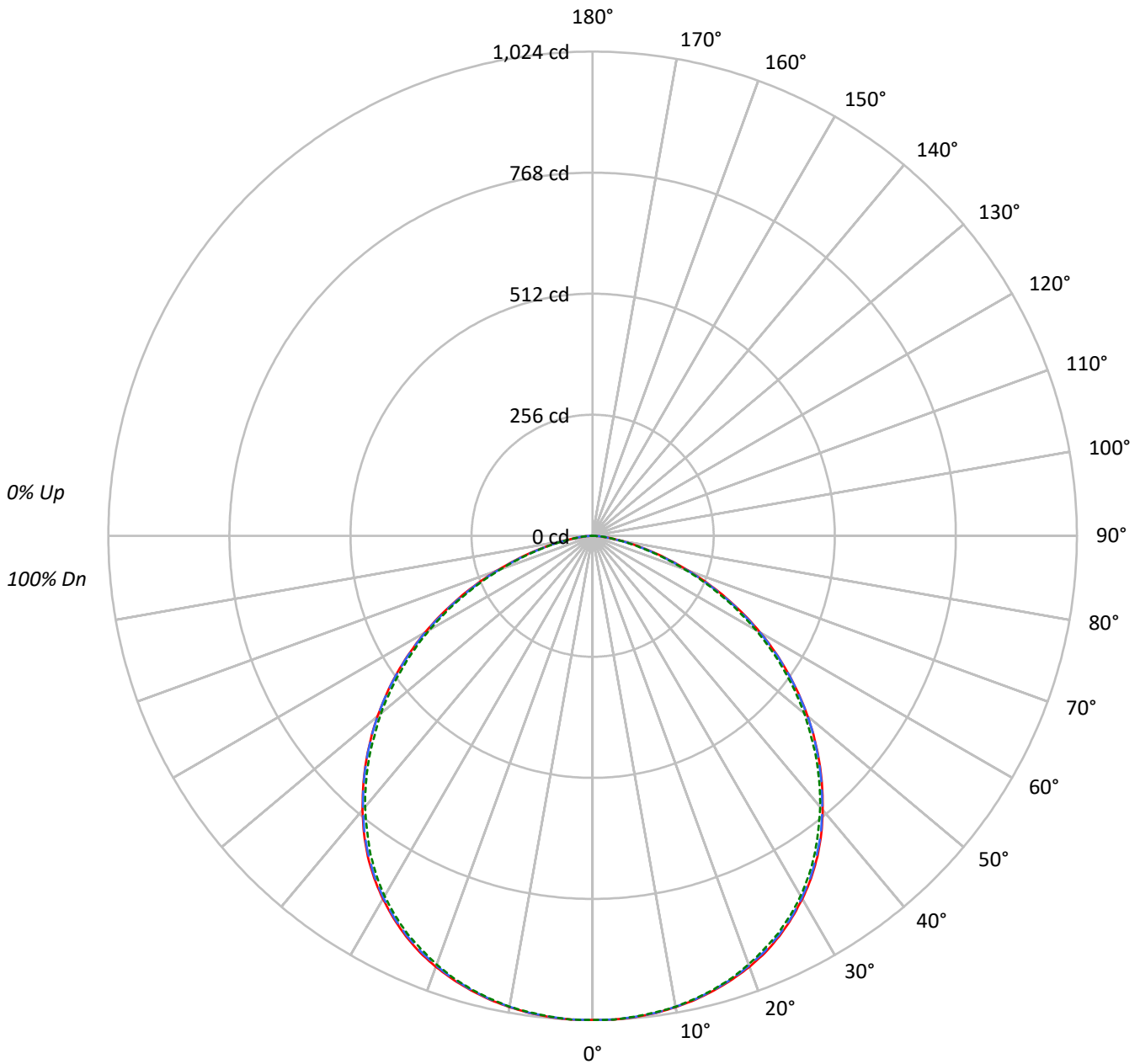
Test Method: LM-79-08  
Report Number: P506574  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-30-PR1-L830  
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2757.0 lumens  
Efficiency: N/A  
Efficacy: 129.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
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

TEST NUMBER: P506574  
CATALOG NUMBER: 24PD-30-PR1-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P506574

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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	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

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

	0°	45°	90°
0°	1378	1378	1378
5°	1380	1380	1379
10°	1383	1382	1381
15°	1386	1384	1383
20°	1389	1385	1381
25°	1387	1383	1377
30°	1378	1374	1367
35°	1361	1357	1346
40°	1329	1326	1315
45°	1290	1288	1274
50°	1242	1242	1223
55°	1181	1179	1156
60°	1101	1097	1072
65°	992	980	957
70°	847	834	814
75°	670	655	639
80°	476	463	449
85°	286	278	270



TEST NUMBER: P506574

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.2	3.5
10°-20°	280.6	10.2
20°-30°	429.0	15.6
30°-40°	515.2	18.7
40°-50°	520.6	18.9
50°-60°	447.3	16.2
60°-70°	305.2	11.1
70°-80°	137.2	5.0
80°-90°	24.7	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°	806.8	29.3
0°-40°	1322.0	48.0
0°-60°	2290.0	83.1
0°-90°	2757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2757.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1024	1024	1024	1024	1024	
5°	1022	1022	1021	1021	1021	97
15°	995	995	994	993	993	281
25°	934	934	932	929	928	430
35°	829	829	826	821	819	517
45°	678	680	677	672	669	523
55°	504	505	502	498	493	449
65°	312	313	308	306	301	308
75°	129	130	126	125	123	140
85°	18	19	18	18	18	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1024.1	1024.1	1024.1	1024.1	1024.1
2.5°	1024.3	1024.1	1023.8	1023.3	1024.1
5°	1022.0	1021.7	1021.4	1020.9	1020.9
7.5°	1018.3	1017.7	1017.7	1016.9	1016.7
10°	1012.4	1012.2	1011.4	1011.4	1011.1
12.5°	1005.0	1004.5	1003.7	1003.4	1002.9
15°	995.0	994.7	993.7	992.9	992.6
17.5°	983.6	982.8	982.0	980.2	980.2
20°	969.9	969.3	967.5	965.6	964.6
22.5°	954.0	952.9	950.8	949.0	946.8
25°	934.4	934.1	931.8	928.6	927.8
27.5°	911.7	912.2	909.8	906.6	905.1
30°	886.8	887.9	884.4	880.5	879.7
32.5°	859.6	859.8	856.9	852.7	851.1
35°	828.6	828.6	826.0	821.0	819.4
37.5°	794.2	794.0	792.4	786.6	783.7
40°	756.9	758.3	755.1	749.8	748.5
42.5°	718.3	719.9	717.0	712.5	709.6
45°	678.1	680.0	677.1	672.3	669.4
47.5°	636.6	637.9	635.8	629.7	625.8
50°	593.5	596.1	593.2	586.9	584.2
52.5°	549.1	552.0	548.5	543.8	538.7
55°	503.6	505.4	502.5	498.0	493.0
57.5°	456.8	460.5	455.7	450.4	446.2
60°	409.2	412.3	407.6	402.8	398.3
62.5°	360.8	362.9	357.6	354.7	349.4
65°	311.6	313.1	307.9	305.7	300.7
67.5°	262.9	264.2	259.2	256.3	253.4
70°	215.3	216.3	212.1	209.5	206.8
72.5°	170.3	170.6	166.6	165.8	162.7
75°	128.8	129.9	125.9	125.1	123.0
77.5°	92.6	92.8	90.2	89.7	87.8
80°	61.4	61.6	59.8	59.5	57.9
82.5°	37.0	37.3	35.7	35.7	34.6
85°	18.5	18.8	18.0	18.0	17.5
87.5°	6.3	6.6	6.3	6.3	6.1
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)