

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: P506601

Luminaire Tested: **24PD-35-PR1-L830**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506601  
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-35-PR1-L830  
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

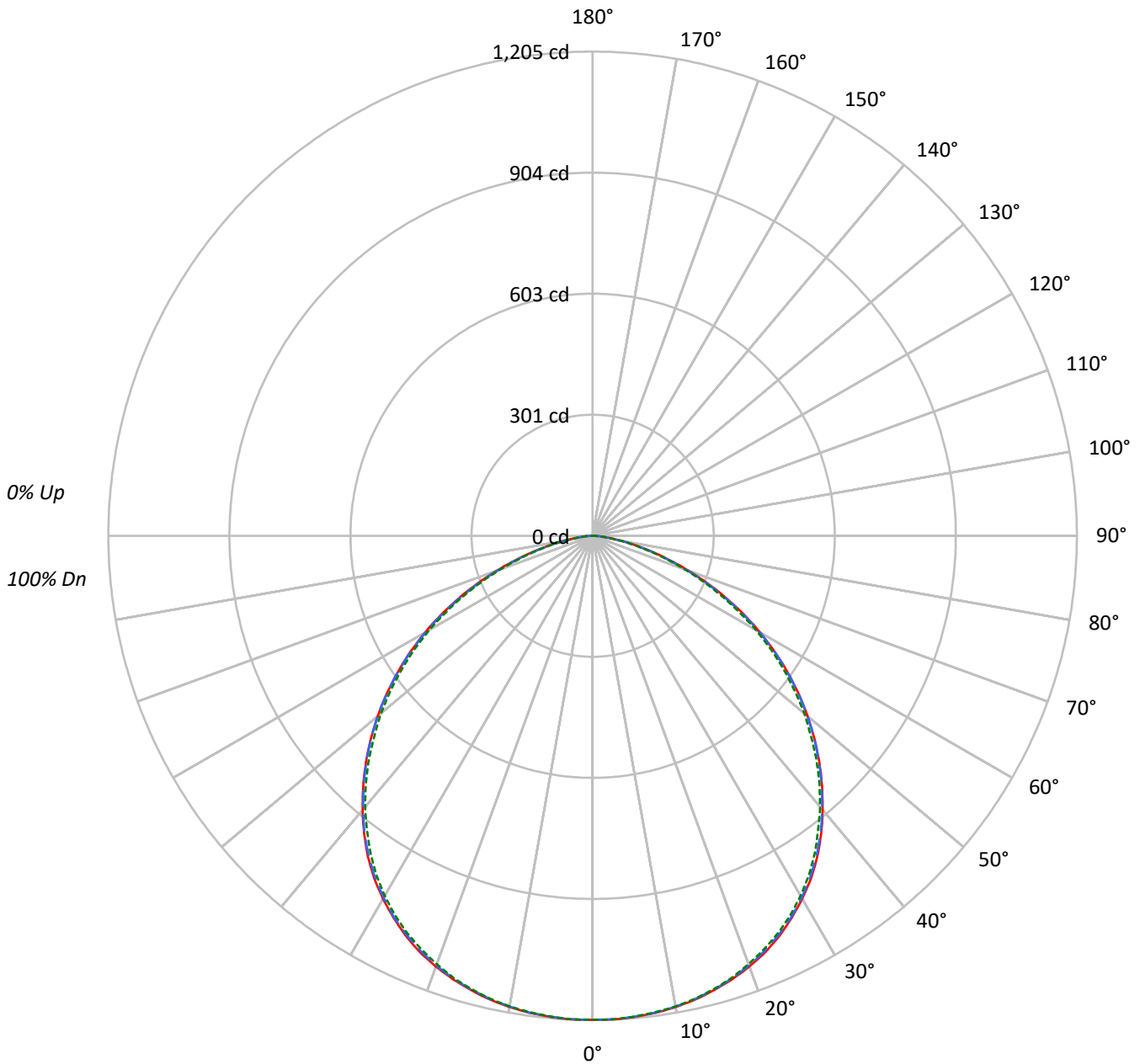
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3243.0 lumens  
Efficiency: N/A  
Efficacy: 128.2 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): 25.3  
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: P506601

CATALOG NUMBER: 24PD-35-PR1-L830

### 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	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°	1621	1621	1621
5°	1624	1623	1622
10°	1627	1625	1625
15°	1630	1628	1626
20°	1633	1629	1625
25°	1632	1627	1620
30°	1621	1616	1608
35°	1601	1596	1583
40°	1564	1560	1546
45°	1518	1515	1498
50°	1461	1461	1438
55°	1389	1387	1360
60°	1295	1290	1261
65°	1167	1153	1126
70°	996	982	957
75°	788	770	752
80°	559	545	528
85°	337	327	316



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.3	3.5
10°-20°	330.1	10.2
20°-30°	504.6	15.6
30°-40°	606.0	18.7
40°-50°	612.4	18.9
50°-60°	526.2	16.2
60°-70°	358.9	11.1
70°-80°	161.4	5.0
80°-90°	29.0	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°	949.1	29.3
0°-40°	1555.0	48.0
0°-60°	2693.6	83.1
0°-90°	3243.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3243.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1205	1205	1205	1205	1205	
5°	1202	1202	1202	1201	1201	114
15°	1170	1170	1169	1168	1168	331
25°	1099	1099	1096	1092	1091	506
35°	975	975	972	966	964	609
45°	798	800	796	791	787	615
55°	592	594	591	586	580	529
65°	366	368	362	360	354	363
75°	152	153	148	147	145	164
85°	22	22	21	21	20	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1204.6	1204.6	1204.6	1204.6	1204.6
2.5°	1204.9	1204.6	1204.3	1203.7	1204.6
5°	1202.1	1201.8	1201.5	1200.9	1200.9
7.5°	1197.8	1197.1	1197.1	1196.2	1195.9
10°	1190.9	1190.6	1189.7	1189.7	1189.4
12.5°	1182.2	1181.6	1180.6	1180.3	1179.7
15°	1170.4	1170.1	1168.8	1167.9	1167.6
17.5°	1157.0	1156.1	1155.1	1153.0	1153.0
20°	1140.8	1140.2	1138.0	1135.8	1134.6
22.5°	1122.2	1120.9	1118.4	1116.2	1113.8
25°	1099.1	1098.8	1096.0	1092.3	1091.4
27.5°	1072.4	1073.0	1070.2	1066.5	1064.6
30°	1043.1	1044.4	1040.3	1035.7	1034.7
32.5°	1011.1	1011.4	1008.0	1003.0	1001.1
35°	974.7	974.7	971.6	965.7	963.8
37.5°	934.2	933.9	932.1	925.2	921.8
40°	890.4	891.9	888.2	882.0	880.4
42.5°	845.0	846.8	843.4	838.1	834.7
45°	797.7	799.8	796.4	790.8	787.4
47.5°	748.8	750.4	747.9	740.7	736.1
50°	698.1	701.2	697.8	690.3	687.2
52.5°	645.9	649.3	645.2	639.6	633.7
55°	592.3	594.5	591.1	585.8	579.9
57.5°	537.3	541.6	536.0	529.8	524.8
60°	481.3	485.0	479.4	473.8	468.5
62.5°	424.3	426.8	420.6	417.2	411.0
65°	366.5	368.3	362.1	359.6	353.7
67.5°	309.2	310.8	304.9	301.5	298.0
70°	253.2	254.5	249.5	246.4	243.3
72.5°	200.4	200.7	196.0	195.1	191.3
75°	151.5	152.8	148.1	147.2	144.7
77.5°	108.9	109.2	106.1	105.5	103.3
80°	72.2	72.5	70.3	70.0	68.1
82.5°	43.6	43.9	42.0	42.0	40.8
85°	21.8	22.1	21.2	21.2	20.5
87.5°	7.5	7.8	7.5	7.5	7.2
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)