

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: P506629

Luminaire Tested: **24PD-40-PR1-L835**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506629  
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-40-PR1-L835  
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

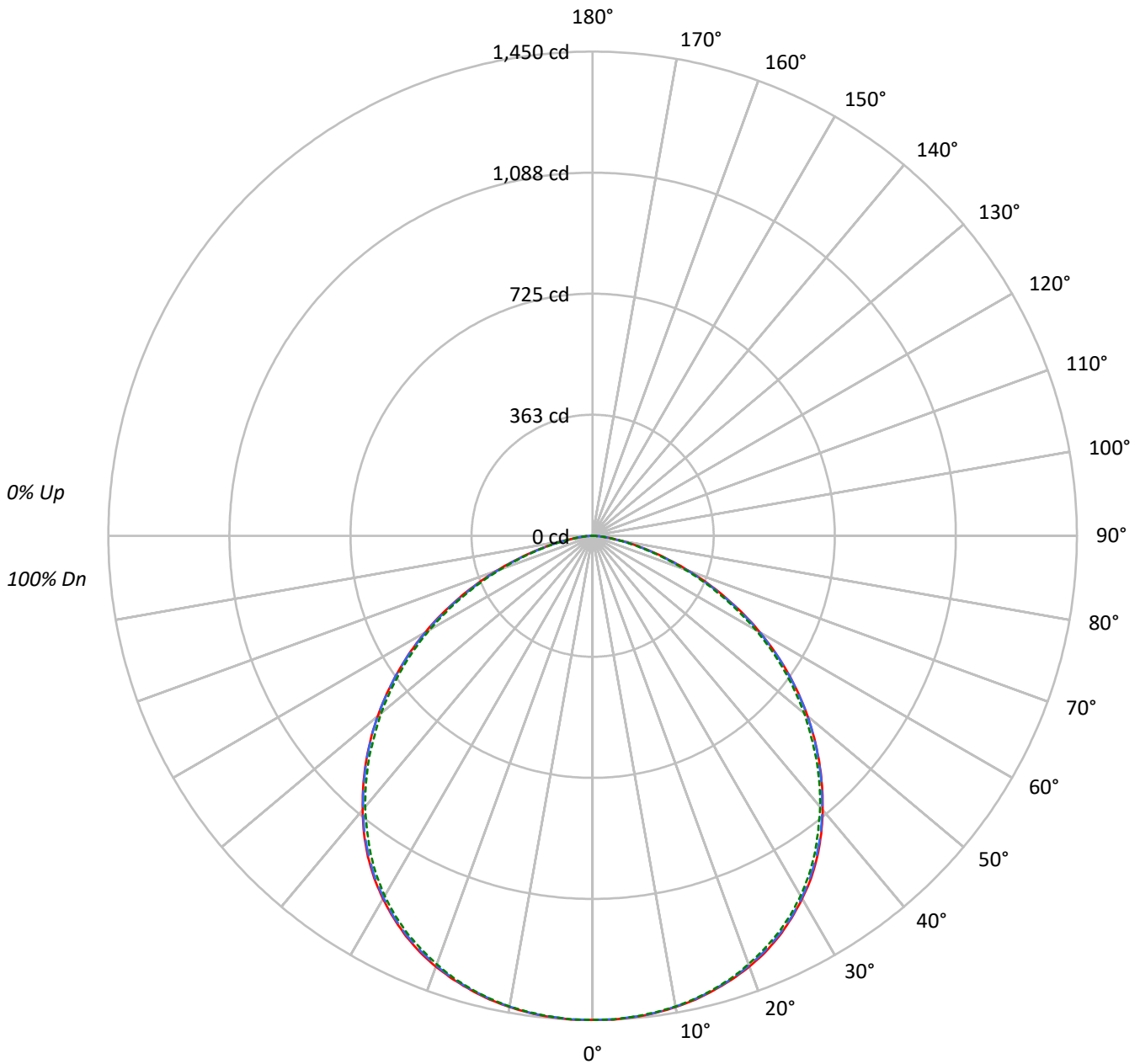
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3903.0 lumens  
Efficiency: N/A  
Efficacy: 132.8 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): 29.4  
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: P506629

CATALOG NUMBER: 24PD-40-PR1-L835

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

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

	0°	45°	90°
0°	1951	1951	1951
5°	1954	1953	1952
10°	1958	1956	1956
15°	1962	1959	1957
20°	1966	1961	1955
25°	1964	1958	1950
30°	1950	1945	1935
35°	1927	1921	1905
40°	1882	1878	1861
45°	1827	1824	1803
50°	1759	1758	1731
55°	1672	1669	1637
60°	1559	1553	1517
65°	1404	1387	1355
70°	1199	1181	1152
75°	948	926	905
80°	673	656	635
85°	404	394	381



TEST NUMBER: P506629

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.6	3.5
10°-20°	397.3	10.2
20°-30°	607.3	15.6
30°-40°	729.3	18.7
40°-50°	737.0	18.9
50°-60°	633.3	16.2
60°-70°	432.0	11.1
70°-80°	194.2	5.0
80°-90°	34.9	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°	1142.2	29.3
0°-40°	1871.5	48.0
0°-60°	3241.8	83.1
0°-90°	3903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1450	1450	1450	1450	1450	
5°	1447	1446	1446	1445	1445	138
15°	1409	1408	1407	1406	1405	398
25°	1323	1322	1319	1315	1314	609
35°	1173	1173	1169	1162	1160	732
45°	960	963	958	952	948	740
55°	713	716	711	705	698	636
65°	441	443	436	433	426	437
75°	182	184	178	177	174	198
85°	26	27	26	26	25	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1449.7	1449.7	1449.7	1449.7	1449.7
2.5°	1450.1	1449.7	1449.4	1448.6	1449.7
5°	1446.8	1446.4	1446.0	1445.3	1445.3
7.5°	1441.5	1440.8	1440.8	1439.6	1439.3
10°	1433.3	1432.9	1431.8	1431.8	1431.4
12.5°	1422.8	1422.0	1420.9	1420.5	1419.8
15°	1408.6	1408.2	1406.7	1405.6	1405.2
17.5°	1392.5	1391.3	1390.2	1387.6	1387.6
20°	1373.0	1372.2	1369.6	1367.0	1365.5
22.5°	1350.5	1349.0	1346.0	1343.4	1340.4
25°	1322.8	1322.4	1319.1	1314.6	1313.5
27.5°	1290.6	1291.4	1288.0	1283.5	1281.3
30°	1255.4	1256.9	1252.1	1246.4	1245.3
32.5°	1216.9	1217.2	1213.1	1207.1	1204.9
35°	1173.1	1173.1	1169.3	1162.2	1159.9
37.5°	1124.4	1124.0	1121.8	1113.5	1109.4
40°	1071.6	1073.5	1069.0	1061.5	1059.6
42.5°	1016.9	1019.2	1015.0	1008.7	1004.6
45°	960.0	962.6	958.5	951.8	947.7
47.5°	901.2	903.1	900.1	891.5	885.9
50°	840.2	843.9	839.8	830.8	827.1
52.5°	777.3	781.4	776.5	769.8	762.7
55°	712.9	715.5	711.4	705.0	697.9
57.5°	646.6	651.9	645.1	637.6	631.6
60°	579.2	583.7	577.0	570.2	563.9
62.5°	510.7	513.7	506.2	502.1	494.6
65°	441.1	443.3	435.8	432.8	425.7
67.5°	372.2	374.0	366.9	362.8	358.7
70°	304.8	306.3	300.3	296.5	292.8
72.5°	241.1	241.5	235.9	234.8	230.3
75°	182.3	183.8	178.2	177.1	174.1
77.5°	131.0	131.4	127.7	126.9	124.3
80°	86.9	87.2	84.6	84.2	82.0
82.5°	52.4	52.8	50.5	50.5	49.0
85°	26.2	26.6	25.5	25.5	24.7
87.5°	9.0	9.4	9.0	9.0	8.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)