

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: P506296

Luminaire Tested: **22PD-45-PL1-L835**

Issue Date: 3/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P506296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-45-PL1-L835  
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

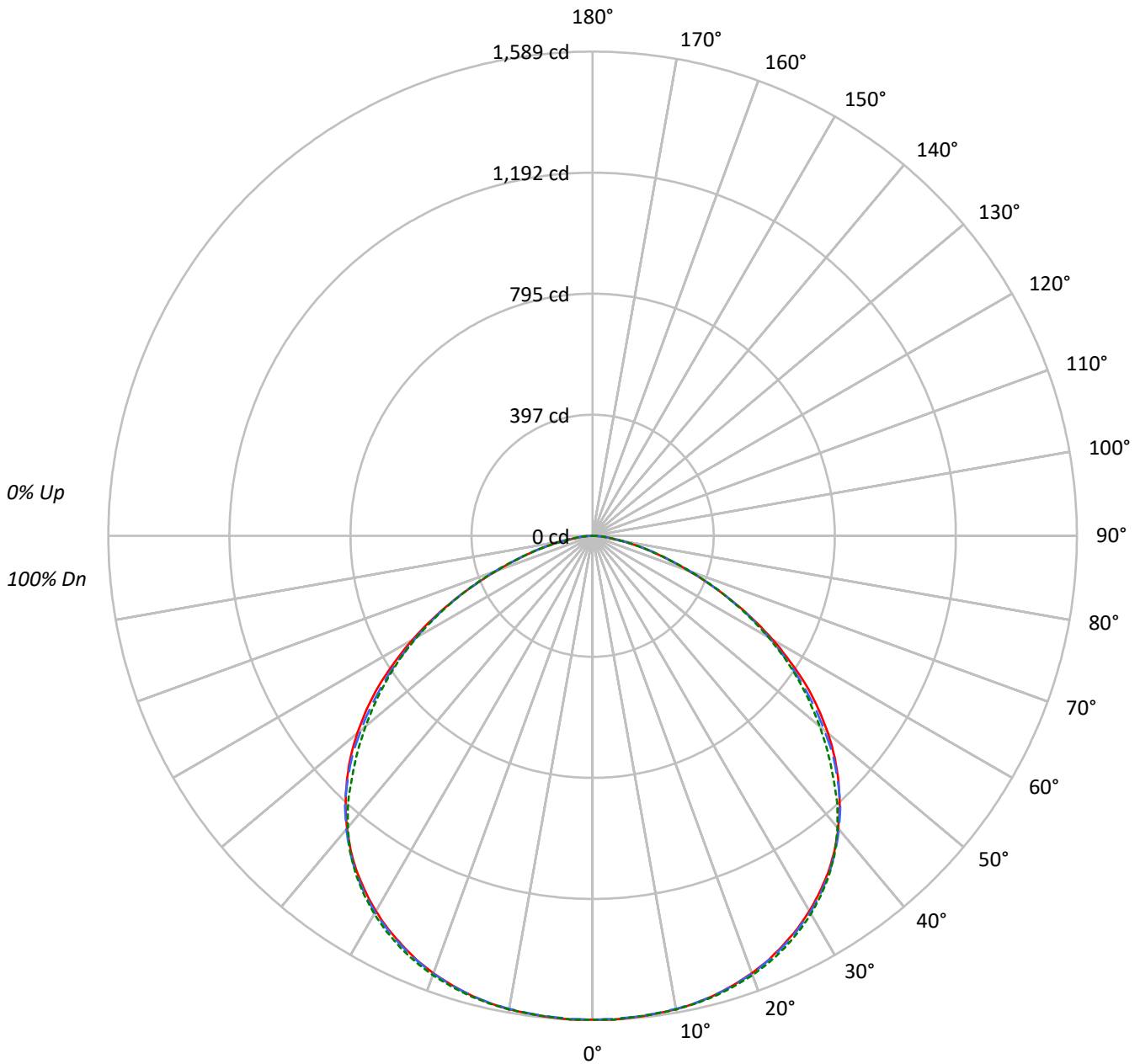
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4498.3 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 37.8  
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	110	105	101	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

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

	0°	45°	90°
0°	4274	4274	4274
5°	4286	4281	4282
10°	4312	4307	4312
15°	4344	4344	4353
20°	4375	4380	4394
25°	4398	4408	4430
30°	4420	4434	4452
35°	4427	4442	4451
40°	4404	4416	4389
45°	4341	4329	4241
50°	4219	4153	4069
55°	4014	3912	3867
60°	3675	3605	3584
65°	3205	3198	3187
70°	2626	2670	2662
75°	2082	2116	2082
80°	1525	1517	1508
85°	1019	1000	1071



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.0	3.4
10°-20°	440.7	9.8
20°-30°	684.9	15.2
30°-40°	844.4	18.8
40°-50°	872.2	19.4
50°-60°	746.3	16.6
60°-70°	498.1	11.1
70°-80°	218.5	4.9
80°-90°	42.2	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°	1276.6	28.4
0°-40°	2121.0	47.2
0°-60°	3739.4	83.1
0°-90°	4498.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4498.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1588	1588	1588	1588	1588	
5°	1586	1584	1585	1584	1585	151
15°	1559	1557	1559	1560	1562	441
25°	1481	1481	1485	1489	1492	683
35°	1348	1348	1352	1355	1355	842
45°	1141	1140	1137	1127	1114	878
55°	856	845	834	829	824	760
65°	503	502	502	504	500	499
75°	200	198	204	202	200	217
85°	33	32	32	34	35	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1588.1	1588.1	1588.1	1588.1	1588.1
2.5°	1589.3	1587.0	1586.5	1586.5	1589.3
5°	1586.5	1584.2	1584.8	1583.7	1585.3
7.5°	1582.5	1580.3	1580.9	1580.3	1582.5
10°	1578.1	1575.8	1576.4	1575.8	1578.1
12.5°	1570.2	1568.6	1569.7	1570.2	1571.9
15°	1559.1	1557.4	1559.1	1560.2	1562.4
17.5°	1544.5	1543.4	1545.1	1546.8	1549.5
20°	1527.7	1526.6	1529.4	1531.1	1534.4
22.5°	1507.0	1505.9	1508.7	1512.6	1514.9
25°	1481.3	1481.3	1484.7	1489.2	1491.9
27.5°	1453.9	1453.4	1457.3	1461.8	1464.5
30°	1422.6	1421.5	1427.1	1431.0	1432.7
32.5°	1386.3	1386.8	1391.9	1395.8	1396.3
35°	1347.7	1347.7	1352.1	1354.9	1354.9
37.5°	1303.5	1302.9	1307.4	1308.5	1306.9
40°	1253.7	1254.3	1257.1	1256.5	1249.3
42.5°	1200.0	1200.6	1202.8	1195.0	1187.7
45°	1140.8	1140.2	1137.4	1126.8	1114.5
47.5°	1077.6	1074.8	1070.3	1054.1	1045.1
50°	1007.7	1003.2	992.0	979.2	971.9
52.5°	933.9	926.0	914.9	904.8	898.6
55°	855.6	845.0	833.8	829.3	824.3
57.5°	768.3	761.6	752.1	749.9	746.5
60°	682.8	675.5	669.9	669.9	666.0
62.5°	593.3	588.8	586.6	587.7	583.8
65°	503.3	502.2	502.2	503.8	500.5
67.5°	416.0	418.3	417.7	423.3	418.8
70°	333.8	337.8	339.4	345.0	338.3
72.5°	262.8	263.4	265.6	267.3	263.9
75°	200.2	198.5	203.5	202.4	200.2
77.5°	144.8	143.7	145.4	146.5	143.7
80°	98.4	97.3	97.9	99.5	97.3
82.5°	62.1	61.0	61.0	62.6	62.1
85°	33.0	32.4	32.4	33.6	34.7
87.5°	11.7	11.2	11.7	11.7	11.7
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)