

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: P506269

Luminaire Tested: **22PD-40-PL1-L835**

Issue Date: 3/26/2021



**Test Information**

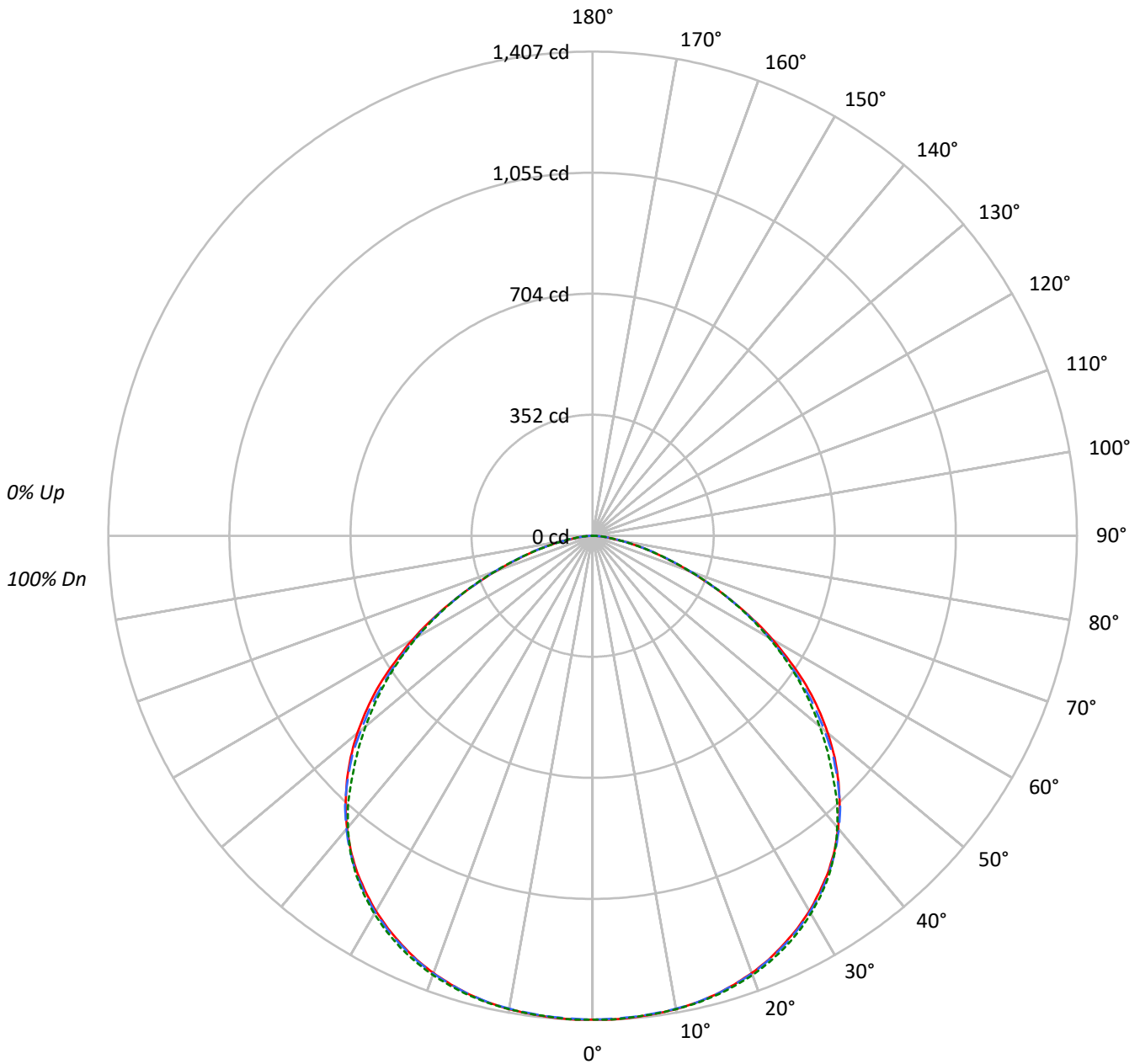
Test Method: LM-79-08  
Report Number: P506269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-40-PL1-L835  
Description: 4000 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: 3982.1 lumens  
Efficiency: N/A  
Efficacy: 122.2 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): 32.6  
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: P506269  
CATALOG NUMBER: 22PD-40-PL1-L835

### Luminous Intensity Polar Plot





TEST NUMBER: P506269

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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°	3783	3783	3783
5°	3794	3790	3791
10°	3817	3813	3817
15°	3845	3845	3853
20°	3873	3877	3890
25°	3894	3902	3922
30°	3913	3925	3941
35°	3919	3932	3940
40°	3899	3909	3885
45°	3843	3832	3755
50°	3735	3677	3602
55°	3553	3463	3423
60°	3253	3192	3173
65°	2837	2830	2821
70°	2325	2364	2356
75°	1842	1874	1842
80°	1350	1342	1334
85°	902	886	948



TEST NUMBER: P506269

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.7	3.4
10°-20°	390.1	9.8
20°-30°	606.3	15.2
30°-40°	747.5	18.8
40°-50°	772.1	19.4
50°-60°	660.6	16.6
60°-70°	440.9	11.1
70°-80°	193.5	4.9
80°-90°	37.4	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°	1130.1	28.4
0°-40°	1877.6	47.2
0°-60°	3310.3	83.1
0°-90°	3982.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3982.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1406	1406	1406	1406	1406	
5°	1404	1402	1403	1402	1403	134
15°	1380	1379	1380	1381	1383	390
25°	1311	1311	1314	1318	1321	605
35°	1193	1193	1197	1200	1200	746
45°	1010	1009	1007	998	987	777
55°	757	748	738	734	730	673
65°	446	444	444	446	443	442
75°	177	176	180	179	177	192
85°	29	29	29	30	31	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1405.9	1405.9	1405.9	1405.9	1405.9
2.5°	1406.9	1404.9	1404.4	1404.4	1406.9
5°	1404.4	1402.4	1402.9	1401.9	1403.4
7.5°	1401.0	1399.0	1399.5	1399.0	1401.0
10°	1397.0	1395.0	1395.5	1395.0	1397.0
12.5°	1390.1	1388.6	1389.6	1390.1	1391.6
15°	1380.2	1378.7	1380.2	1381.2	1383.1
17.5°	1367.3	1366.3	1367.8	1369.3	1371.8
20°	1352.4	1351.5	1353.9	1355.4	1358.4
22.5°	1334.1	1333.1	1335.6	1339.1	1341.1
25°	1311.4	1311.4	1314.3	1318.3	1320.8
27.5°	1287.1	1286.6	1290.1	1294.0	1296.5
30°	1259.4	1258.4	1263.3	1266.8	1268.3
32.5°	1227.2	1227.7	1232.2	1235.6	1236.1
35°	1193.0	1193.0	1197.0	1199.5	1199.5
37.5°	1153.9	1153.4	1157.4	1158.4	1156.9
40°	1109.9	1110.4	1112.8	1112.4	1105.9
42.5°	1062.4	1062.8	1064.8	1057.9	1051.5
45°	1009.9	1009.4	1006.9	997.5	986.6
47.5°	953.9	951.5	947.5	933.1	925.2
50°	892.1	888.1	878.2	866.8	860.4
52.5°	826.7	819.8	809.9	801.0	795.5
55°	757.4	748.0	738.1	734.1	729.7
57.5°	680.2	674.2	665.8	663.8	660.9
60°	604.4	598.0	593.1	593.1	589.6
62.5°	525.2	521.3	519.3	520.3	516.8
65°	445.5	444.5	444.5	446.0	443.1
67.5°	368.3	370.3	369.8	374.7	370.8
70°	295.5	299.0	300.5	305.4	299.5
72.5°	232.7	233.2	235.1	236.6	233.7
75°	177.2	175.7	180.2	179.2	177.2
77.5°	128.2	127.2	128.7	129.7	127.2
80°	87.1	86.1	86.6	88.1	86.1
82.5°	54.9	54.0	54.0	55.4	54.9
85°	29.2	28.7	28.7	29.7	30.7
87.5°	10.4	9.9	10.4	10.4	10.4
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)