

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: P506294

Luminaire Tested: **22PD-40-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-40-PW1-L950  
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

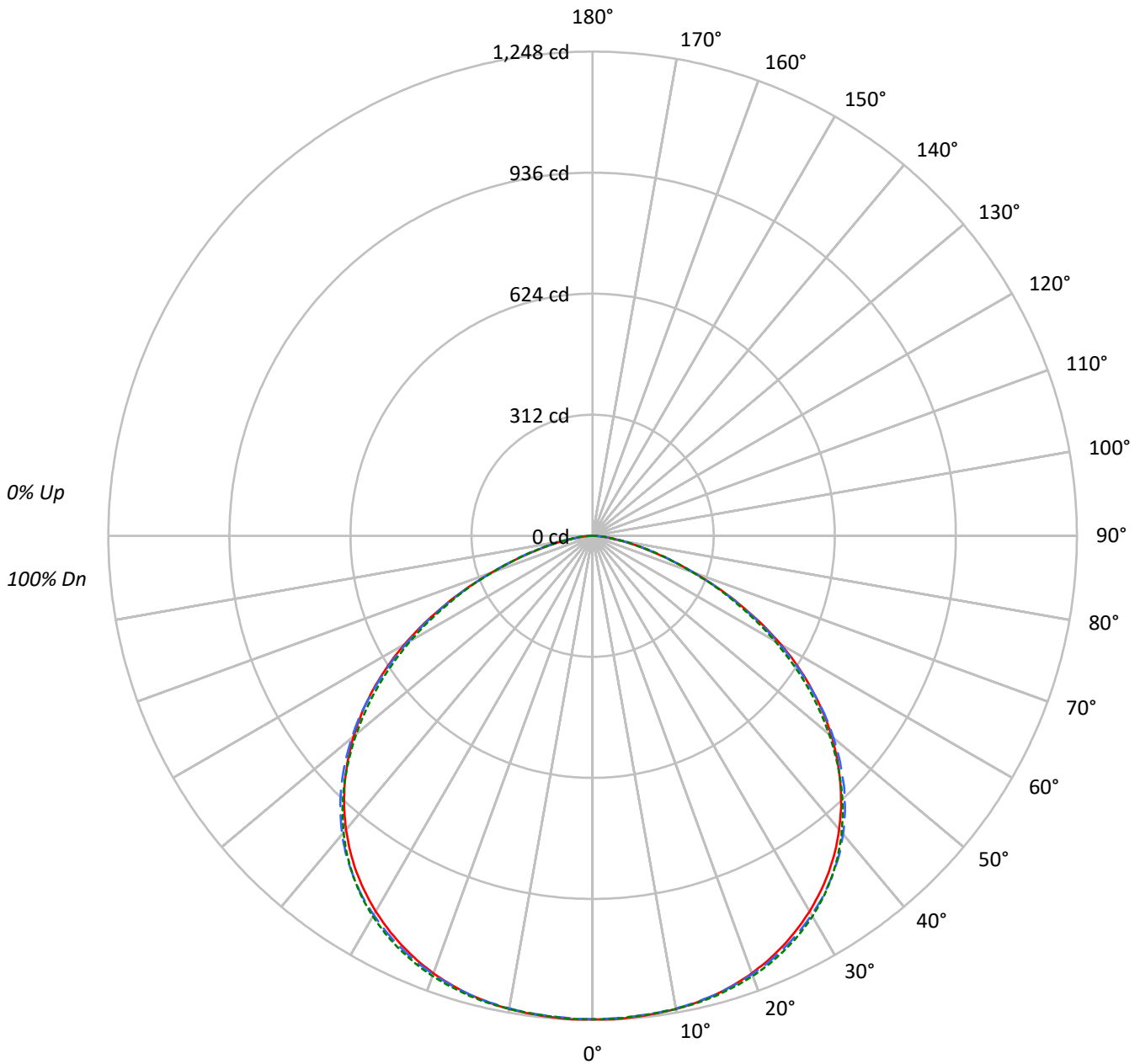
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3602.8 lumens  
Efficiency: N/A  
Efficacy: 110.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
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

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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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

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

	0°	45°	90°
0°	3354	3354	3354
5°	3363	3358	3360
10°	3385	3380	3384
15°	3411	3410	3420
20°	3436	3444	3458
25°	3457	3477	3493
30°	3474	3507	3520
35°	3483	3528	3529
40°	3472	3529	3508
45°	3438	3487	3445
50°	3368	3392	3331
55°	3237	3223	3162
60°	3013	2980	2918
65°	2658	2632	2581
70°	2176	2187	2142
75°	1649	1704	1691
80°	1195	1243	1221
85°	784	812	868



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.5	3.3
10°-20°	346.1	9.6
20°-30°	539.7	15.0
30°-40°	668.9	18.6
40°-50°	699.9	19.4
50°-60°	609.9	16.9
60°-70°	408.6	11.3
70°-80°	177.1	4.9
80°-90°	34.1	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°	1004.3	27.9
0°-40°	1673.2	46.4
0°-60°	2983.1	82.8
0°-90°	3602.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3602.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1246	1246	1246	1246	1246	
5°	1245	1244	1243	1243	1244	119
15°	1224	1223	1224	1225	1228	346
25°	1164	1165	1171	1175	1176	537
35°	1060	1064	1074	1075	1074	663
45°	903	908	916	909	905	696
55°	690	690	687	679	674	614
65°	417	415	413	409	405	413
75°	159	161	164	163	163	175
85°	25	27	26	27	28	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1246.4	1246.4	1246.4	1246.4	1246.4
2.5°	1247.7	1245.5	1245.0	1245.0	1246.4
5°	1245.0	1243.7	1243.3	1242.8	1243.7
7.5°	1242.4	1240.6	1241.0	1240.1	1241.0
10°	1238.8	1237.0	1237.0	1237.0	1238.4
12.5°	1232.6	1231.2	1231.7	1232.6	1234.3
15°	1224.5	1222.8	1224.1	1225.4	1227.7
17.5°	1213.4	1212.1	1214.3	1216.5	1218.3
20°	1200.0	1198.7	1202.7	1205.8	1207.6
22.5°	1183.6	1183.1	1188.5	1192.0	1193.4
25°	1164.4	1164.9	1171.1	1174.7	1176.4
27.5°	1142.6	1143.5	1151.5	1154.6	1156.4
30°	1118.1	1120.3	1128.8	1131.4	1132.8
32.5°	1090.5	1093.6	1103.8	1105.6	1105.6
35°	1060.2	1064.2	1074.0	1075.3	1074.4
37.5°	1026.3	1030.8	1041.9	1040.1	1038.8
40°	988.5	993.4	1004.5	1000.9	998.7
42.5°	947.9	952.8	962.6	957.3	954.2
45°	903.4	908.3	916.3	908.7	905.2
47.5°	855.3	861.1	865.1	856.6	852.1
50°	804.5	806.3	810.3	800.5	795.6
52.5°	749.2	749.2	752.4	741.7	735.9
55°	690.0	689.6	686.9	679.3	674.0
57.5°	627.2	624.5	622.7	614.7	608.5
60°	559.9	555.9	553.7	547.0	542.1
62.5°	489.6	487.3	484.7	479.3	474.0
65°	417.4	415.2	413.4	409.4	405.4
67.5°	345.7	344.3	344.3	341.7	341.2
70°	276.6	277.5	278.0	278.0	272.2
72.5°	214.3	214.7	216.9	215.2	214.7
75°	158.6	161.3	163.9	162.6	162.6
77.5°	114.0	118.0	118.0	117.2	115.8
80°	77.1	78.8	80.2	79.7	78.8
82.5°	49.0	50.3	49.0	49.9	50.3
85°	25.4	27.2	26.3	26.7	28.1
87.5°	8.5	9.4	9.8	9.4	9.4
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)