

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: P506284

Luminaire Tested: **22PD-40-PR1-L940**

Issue Date: 3/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P506284  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PD-40-PR1-L940  
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

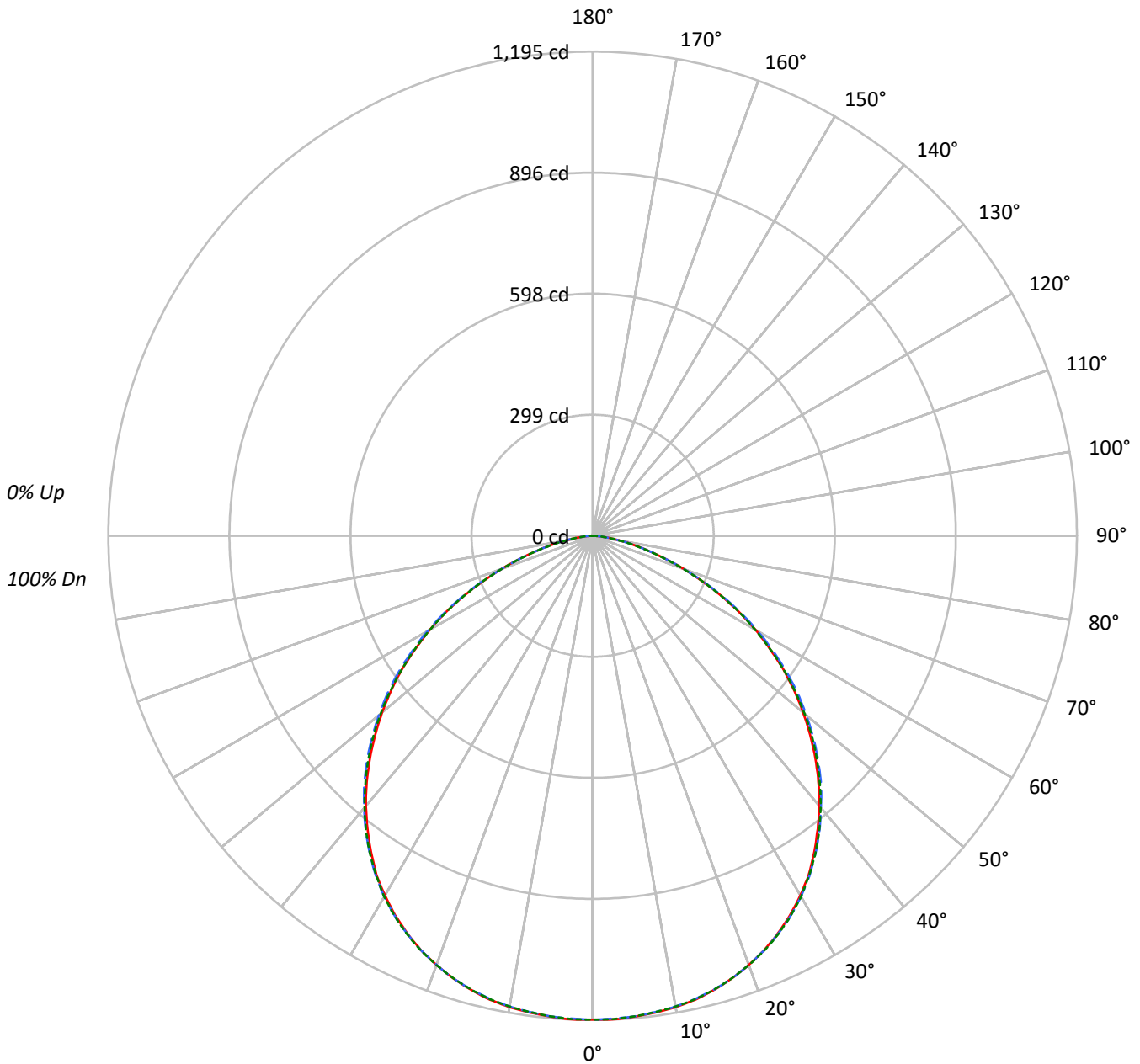
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3191.0 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37  
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

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

	0°	45°	90°
0°	3214	3214	3214
5°	3218	3216	3216
10°	3228	3224	3224
15°	3232	3229	3230
20°	3228	3227	3229
25°	3214	3218	3220
30°	3185	3195	3196
35°	3131	3148	3147
40°	3058	3079	3075
45°	2958	2996	2981
50°	2838	2882	2858
55°	2693	2737	2697
60°	2497	2532	2489
65°	2228	2251	2225
70°	1874	1874	1862
75°	1468	1468	1451
80°	1075	1063	1057
85°	701	701	713



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	3.6
10°-20°	327.3	10.3
20°-30°	499.2	15.6
30°-40°	598.3	18.7
40°-50°	604.2	18.9
50°-60°	516.9	16.2
60°-70°	348.6	10.9
70°-80°	153.8	4.8
80°-90°	29.5	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°	939.7	29.4
0°-40°	1538.0	48.2
0°-60°	2659.1	83.3
0°-90°	3191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3191.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1194	1194	1194	1194	1194	
5°	1191	1190	1191	1190	1191	113
15°	1160	1160	1159	1159	1160	327
25°	1082	1084	1084	1084	1084	499
35°	953	959	958	958	958	596
45°	777	783	787	786	783	599
55°	574	579	583	582	575	512
65°	350	353	354	353	350	346
75°	141	142	141	142	140	154
85°	23	23	23	23	23	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1194.2	1194.2	1194.2	1194.2	1194.2
2.5°	1195.0	1193.4	1193.0	1192.6	1194.2
5°	1191.4	1189.8	1190.6	1189.8	1190.6
7.5°	1187.0	1185.4	1185.8	1185.0	1185.8
10°	1181.4	1179.8	1179.8	1179.0	1179.8
12.5°	1172.6	1171.4	1171.0	1170.2	1171.4
15°	1160.3	1159.9	1159.1	1158.7	1159.5
17.5°	1145.1	1144.3	1145.1	1143.9	1144.7
20°	1127.1	1127.5	1126.8	1127.1	1127.5
22.5°	1106.8	1106.8	1107.2	1107.2	1108.0
25°	1082.5	1083.7	1083.7	1083.7	1084.5
27.5°	1055.3	1056.9	1058.1	1057.3	1058.1
30°	1025.0	1027.8	1028.2	1027.8	1028.6
32.5°	992.3	994.3	995.5	994.7	993.9
35°	953.2	958.8	958.4	957.6	958.0
37.5°	912.1	917.7	919.7	918.1	918.5
40°	870.6	875.4	876.6	877.0	875.4
42.5°	824.7	830.3	834.7	832.7	830.3
45°	777.2	783.2	787.2	786.0	783.2
47.5°	728.2	733.7	739.3	737.3	734.5
50°	677.9	683.5	688.3	687.5	682.7
52.5°	626.4	632.8	637.2	635.6	629.2
55°	574.1	579.3	583.3	582.5	574.9
57.5°	517.5	524.3	526.3	525.1	519.5
60°	464.0	468.4	470.4	468.8	462.4
62.5°	407.0	410.6	412.2	411.8	407.4
65°	349.9	352.7	353.5	352.7	349.5
67.5°	291.3	295.3	295.7	295.7	292.5
70°	238.2	239.4	238.2	241.4	236.6
72.5°	186.7	187.5	186.7	186.7	184.7
75°	141.2	141.6	141.2	141.6	139.6
77.5°	102.1	102.9	101.3	102.5	100.5
80°	69.4	69.4	68.6	69.0	68.2
82.5°	43.1	43.9	42.7	42.7	42.3
85°	22.7	22.7	22.7	23.1	23.1
87.5°	8.0	8.0	8.4	8.4	8.0
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)