

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: P506275

Luminaire Tested: **22PD-40-PL1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506275
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-L940
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

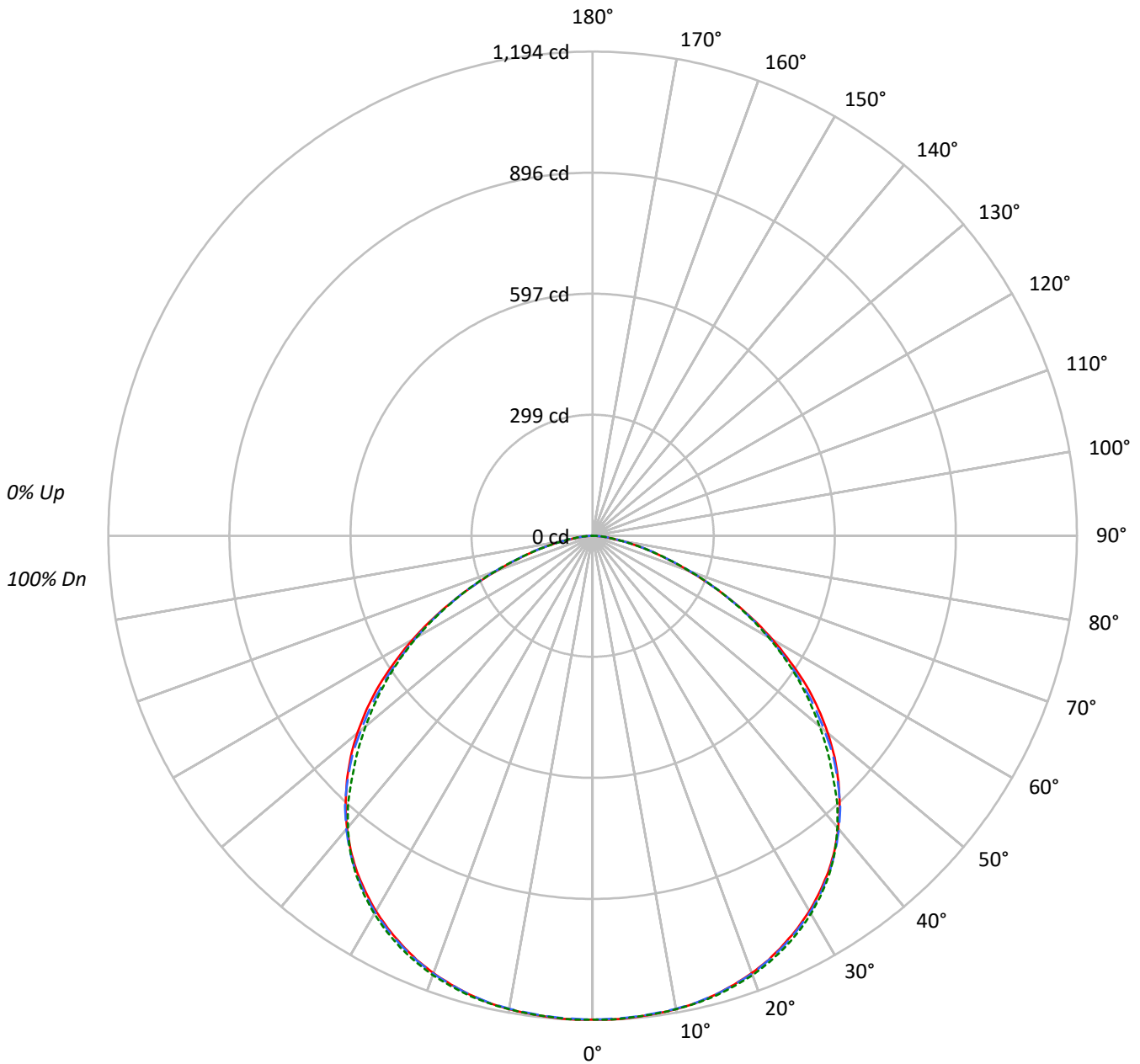
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3379.7 lumens
Efficiency: N/A
Efficacy: 103.7 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_{in}): 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°	3211	3211	3211
5°	3220	3216	3217
10°	3240	3236	3240
15°	3263	3263	3270
20°	3287	3291	3302
25°	3305	3312	3328
30°	3321	3332	3345
35°	3326	3337	3344
40°	3309	3318	3297
45°	3262	3252	3186
50°	3170	3120	3057
55°	3016	2939	2905
60°	2761	2709	2693
65°	2408	2402	2394
70°	1973	2006	2000
75°	1564	1590	1564
80°	1145	1139	1133
85°	766	753	803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	3.4
10°-20°	331.1	9.8
20°-30°	514.6	15.2
30°-40°	634.4	18.8
40°-50°	655.3	19.4
50°-60°	560.7	16.6
60°-70°	374.2	11.1
70°-80°	164.2	4.9
80°-90°	31.7	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°	959.1	28.4
0°-40°	1593.5	47.2
0°-60°	2809.5	83.1
0°-90°	3379.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3379.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1192	1190	1191	1190	1191	114
15°	1171	1170	1171	1172	1174	331
25°	1113	1113	1116	1119	1121	513
35°	1012	1012	1016	1018	1018	633
45°	857	857	855	847	837	660
55°	643	635	626	623	619	571
65°	378	377	377	378	376	375
75°	150	149	153	152	150	163
85°	25	24	24	25	26	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.2	1193.2	1193.2	1193.2	1193.2
2.5°	1194.0	1192.4	1191.9	1191.9	1194.0
5°	1191.9	1190.3	1190.7	1189.8	1191.1
7.5°	1189.0	1187.3	1187.7	1187.3	1189.0
10°	1185.6	1184.0	1184.4	1184.0	1185.6
12.5°	1179.8	1178.5	1179.3	1179.8	1181.0
15°	1171.4	1170.1	1171.4	1172.2	1173.9
17.5°	1160.4	1159.6	1160.9	1162.1	1164.2
20°	1147.8	1147.0	1149.1	1150.3	1152.9
22.5°	1132.3	1131.4	1133.5	1136.5	1138.2
25°	1113.0	1113.0	1115.5	1118.8	1120.9
27.5°	1092.4	1091.9	1094.9	1098.2	1100.4
30°	1068.8	1068.0	1072.2	1075.1	1076.4
32.5°	1041.5	1042.0	1045.7	1048.7	1049.1
35°	1012.5	1012.5	1015.9	1018.0	1018.0
37.5°	979.3	978.9	982.3	983.1	981.9
40°	942.0	942.4	944.5	944.1	938.6
42.5°	901.6	902.0	903.7	897.8	892.4
45°	857.1	856.7	854.6	846.6	837.3
47.5°	809.6	807.5	804.2	792.0	785.2
50°	757.1	753.7	745.3	735.7	730.2
52.5°	701.6	695.8	687.4	679.8	675.2
55°	642.8	634.8	626.4	623.1	619.3
57.5°	577.3	572.2	565.1	563.4	560.9
60°	513.0	507.5	503.3	503.3	500.4
62.5°	445.8	442.4	440.7	441.6	438.6
65°	378.1	377.3	377.3	378.5	376.0
67.5°	312.6	314.3	313.8	318.0	314.7
70°	250.8	253.8	255.0	259.2	254.2
72.5°	197.5	197.9	199.6	200.8	198.3
75°	150.4	149.2	152.9	152.1	150.4
77.5°	108.8	108.0	109.2	110.1	108.0
80°	73.9	73.1	73.5	74.8	73.1
82.5°	46.6	45.8	45.8	47.1	46.6
85°	24.8	24.4	24.4	25.2	26.0
87.5°	8.8	8.4	8.8	8.8	8.8
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)