

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: P506273

Luminaire Tested: **22PD-40-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506273
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-L930
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

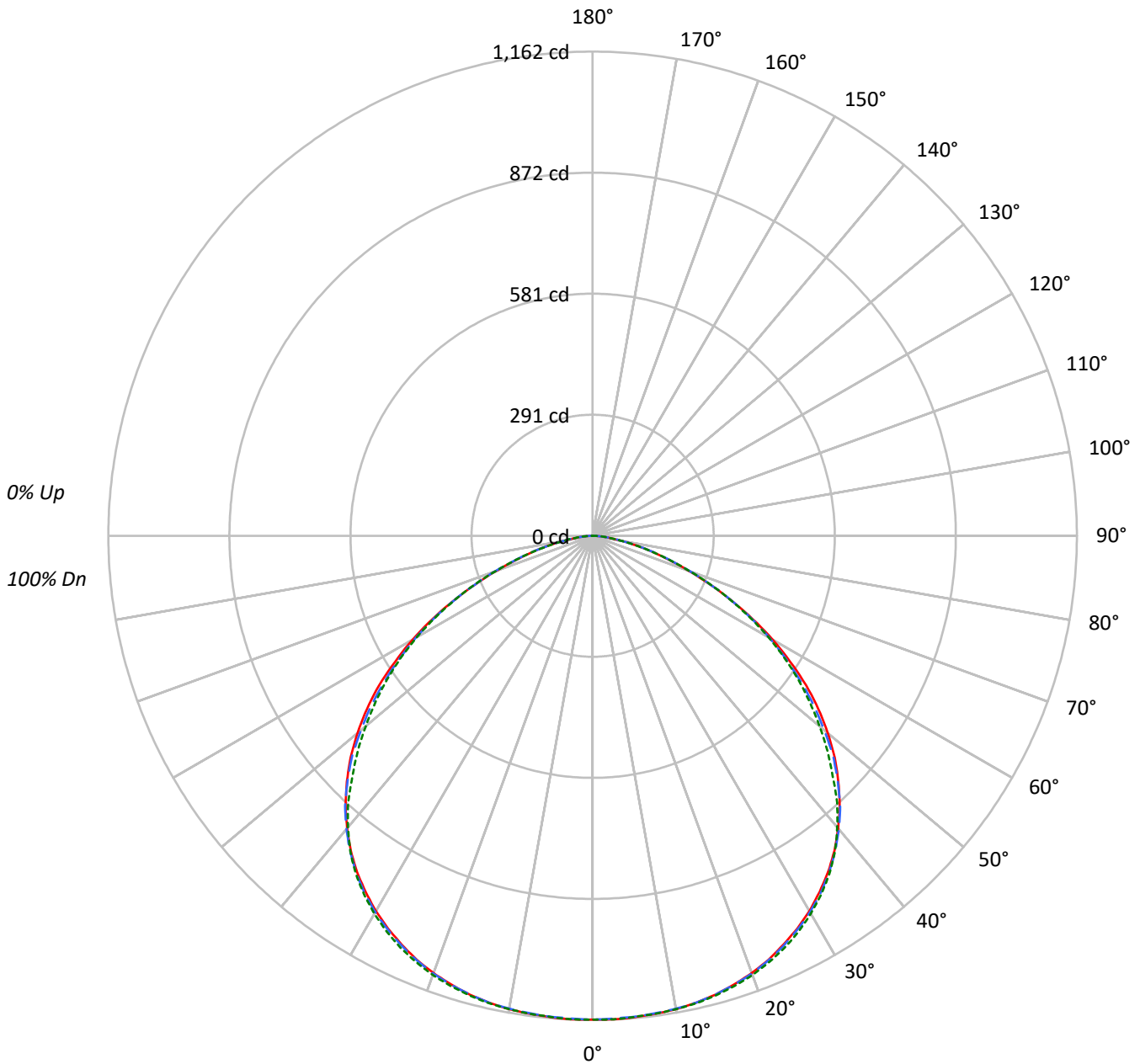
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3288.4 lumens
Efficiency: N/A
Efficacy: 100.9 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°	3124	3124	3124
5°	3133	3129	3130
10°	3152	3149	3152
15°	3175	3175	3182
20°	3198	3202	3212
25°	3215	3222	3238
30°	3232	3242	3254
35°	3236	3247	3254
40°	3220	3228	3208
45°	3174	3164	3100
50°	3084	3036	2974
55°	2934	2860	2827
60°	2686	2636	2620
65°	2343	2337	2330
70°	1920	1952	1946
75°	1521	1547	1521
80°	1114	1108	1102
85°	744	732	781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.4
10°-20°	322.1	9.8
20°-30°	500.7	15.2
30°-40°	617.3	18.8
40°-50°	637.6	19.4
50°-60°	545.5	16.6
60°-70°	364.1	11.1
70°-80°	159.8	4.9
80°-90°	30.9	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°	933.2	28.4
0°-40°	1550.5	47.2
0°-60°	2733.6	83.1
0°-90°	3288.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3288.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1160	1158	1158	1158	1159	111
15°	1140	1138	1140	1140	1142	322
25°	1083	1083	1085	1089	1091	500
35°	985	985	988	990	990	616
45°	834	834	832	824	815	642
55°	625	618	610	606	603	556
65°	368	367	367	368	366	365
75°	146	145	149	148	146	159
85°	24	24	24	24	25	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1161.0	1161.0	1161.0	1161.0	1161.0
2.5°	1161.8	1160.1	1159.7	1159.7	1161.8
5°	1159.7	1158.1	1158.5	1157.7	1158.9
7.5°	1156.9	1155.2	1155.6	1155.2	1156.9
10°	1153.6	1152.0	1152.4	1152.0	1153.6
12.5°	1147.9	1146.7	1147.5	1147.9	1149.1
15°	1139.7	1138.5	1139.7	1140.5	1142.2
17.5°	1129.1	1128.3	1129.5	1130.7	1132.8
20°	1116.8	1116.0	1118.0	1119.3	1121.7
22.5°	1101.7	1100.9	1102.9	1105.8	1107.4
25°	1082.9	1082.9	1085.3	1088.6	1090.7
27.5°	1062.9	1062.4	1065.3	1068.6	1070.6
30°	1040.0	1039.1	1043.2	1046.1	1047.3
32.5°	1013.4	1013.8	1017.5	1020.3	1020.7
35°	985.2	985.2	988.5	990.5	990.5
37.5°	952.9	952.5	955.7	956.6	955.3
40°	916.5	916.9	919.0	918.5	913.2
42.5°	877.3	877.7	879.3	873.6	868.3
45°	833.9	833.5	831.5	823.7	814.7
47.5°	787.7	785.7	782.4	770.6	764.0
50°	736.6	733.4	725.2	715.8	710.5
52.5°	682.7	677.0	668.8	661.4	656.9
55°	625.4	617.7	609.5	606.2	602.6
57.5°	561.7	556.8	549.8	548.2	545.7
60°	499.1	493.8	489.7	489.7	486.9
62.5°	433.7	430.5	428.8	429.6	426.8
65°	367.9	367.1	367.1	368.3	365.9
67.5°	304.1	305.8	305.4	309.5	306.2
70°	244.0	246.9	248.1	252.2	247.3
72.5°	192.1	192.5	194.2	195.4	192.9
75°	146.3	145.1	148.8	148.0	146.3
77.5°	105.9	105.1	106.3	107.1	105.1
80°	71.9	71.1	71.5	72.8	71.1
82.5°	45.4	44.6	44.6	45.8	45.4
85°	24.1	23.7	23.7	24.5	25.3
87.5°	8.6	8.2	8.6	8.6	8.6
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)