

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: P506291

Luminaire Tested: **22PD-40-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506291
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-L930
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

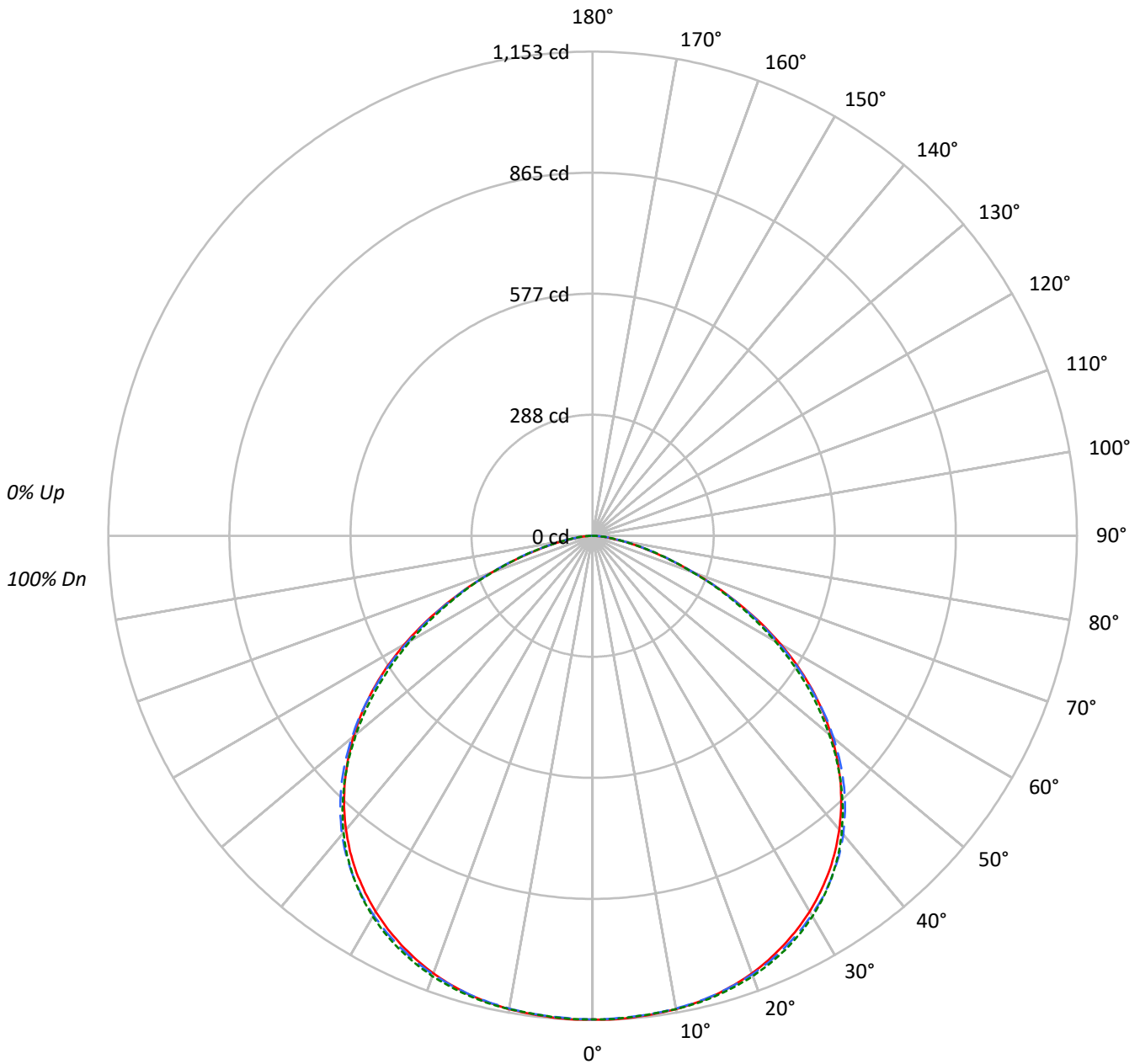
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3329.5 lumens
Efficiency: N/A
Efficacy: 102.1 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_{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				20				20	
RC	80				70				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				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52				52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39				39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35				35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3099	3099	3099
5°	3108	3103	3105
10°	3128	3124	3127
15°	3153	3151	3161
20°	3176	3183	3196
25°	3195	3213	3228
30°	3211	3241	3253
35°	3218	3260	3262
40°	3209	3261	3242
45°	3177	3223	3183
50°	3112	3135	3078
55°	2992	2978	2922
60°	2785	2754	2696
65°	2456	2432	2385
70°	2011	2021	1979
75°	1523	1575	1563
80°	1103	1148	1130
85°	726	750	800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.5	3.3
10°-20°	319.9	9.6
20°-30°	498.7	15.0
30°-40°	618.1	18.6
40°-50°	646.8	19.4
50°-60°	563.6	16.9
60°-70°	377.6	11.3
70°-80°	163.7	4.9
80°-90°	31.5	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°	928.1	27.9
0°-40°	1546.3	46.4
0°-60°	2756.7	82.8
0°-90°	3329.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3329.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1151	1149	1149	1148	1149	110
15°	1132	1130	1131	1132	1134	320
25°	1076	1076	1082	1086	1087	496
35°	980	983	992	994	993	612
45°	835	839	847	840	836	643
55°	638	637	635	628	623	568
65°	386	384	382	378	375	381
75°	146	149	152	150	150	161
85°	24	25	24	25	26	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1151.8	1151.8	1151.8	1151.8	1151.8
2.5°	1153.0	1151.0	1150.6	1150.6	1151.8
5°	1150.6	1149.3	1148.9	1148.5	1149.3
7.5°	1148.1	1146.5	1146.9	1146.0	1146.9
10°	1144.8	1143.2	1143.2	1143.2	1144.4
12.5°	1139.0	1137.8	1138.2	1139.0	1140.7
15°	1131.6	1130.0	1131.2	1132.5	1134.5
17.5°	1121.3	1120.1	1122.2	1124.2	1125.9
20°	1109.0	1107.8	1111.5	1114.3	1116.0
22.5°	1093.8	1093.4	1098.3	1101.6	1102.8
25°	1076.1	1076.5	1082.2	1085.5	1087.2
27.5°	1055.9	1056.7	1064.1	1067.0	1068.7
30°	1033.3	1035.3	1043.1	1045.6	1046.8
32.5°	1007.7	1010.6	1020.1	1021.7	1021.7
35°	979.7	983.4	992.5	993.7	992.9
37.5°	948.5	952.6	962.9	961.2	960.0
40°	913.5	918.0	928.3	925.0	922.9
42.5°	876.0	880.5	889.6	884.6	881.8
45°	834.8	839.4	846.8	839.8	836.5
47.5°	790.4	795.7	799.4	791.6	787.5
50°	743.4	745.1	748.8	739.7	735.2
52.5°	692.4	692.4	695.3	685.4	680.1
55°	637.7	637.2	634.8	627.8	622.8
57.5°	579.6	577.1	575.5	568.1	562.3
60°	517.4	513.7	511.7	505.5	501.0
62.5°	452.4	450.4	447.9	442.9	438.0
65°	385.7	383.7	382.0	378.3	374.6
67.5°	319.4	318.2	318.2	315.7	315.3
70°	255.6	256.5	256.9	256.9	251.5
72.5°	198.0	198.4	200.5	198.8	198.4
75°	146.5	149.0	151.5	150.3	150.3
77.5°	105.4	109.1	109.1	108.3	107.0
80°	71.2	72.9	74.1	73.7	72.9
82.5°	45.3	46.5	45.3	46.1	46.5
85°	23.5	25.1	24.3	24.7	25.9
87.5°	7.8	8.6	9.1	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)