

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: P505922

Luminaire Tested: **14PD-40-PL1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-40-PL1-L930
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

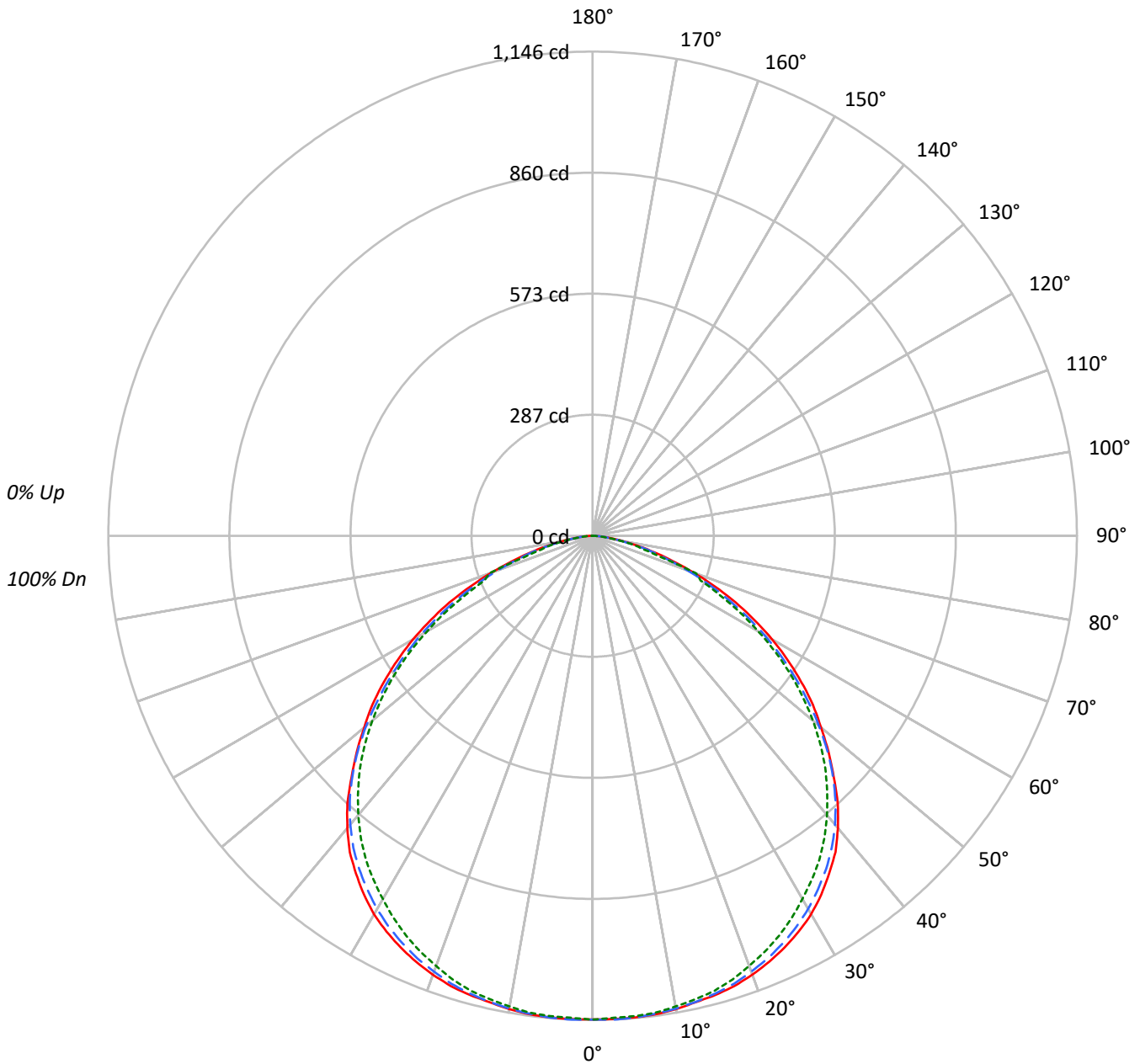
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3182.3 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.29 / 1.41
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
Input Voltage (V): NR
Input Current (Ain): 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	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	67	77	71	65	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35																			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31																			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3081	3081	3081
5°	3091	3093	3083
10°	3108	3105	3091
15°	3134	3125	3106
20°	3166	3144	3103
25°	3192	3161	3101
30°	3214	3169	3085
35°	3206	3165	3074
40°	3172	3134	3031
45°	3070	3060	2962
50°	2954	2927	2848
55°	2826	2744	2682
60°	2639	2521	2436
65°	2378	2230	2110
70°	1989	1865	2048
75°	1569	1510	1308
80°	1130	1004	1023
85°	719	602	562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	3.4
10°-20°	316.4	9.9
20°-30°	489.3	15.4
30°-40°	598.8	18.8
40°-50°	613.9	19.3
50°-60°	522.8	16.4
60°-70°	349.4	11.0
70°-80°	154.8	4.9
80°-90°	28.0	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°	914.6	28.7
0°-40°	1513.4	47.6
0°-60°	2650.1	83.3
0°-90°	3182.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3182.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1145	1145	1145	1145	1145	
5°	1144	1142	1145	1144	1141	109
15°	1125	1121	1122	1119	1115	318
25°	1075	1071	1064	1051	1044	496
35°	976	973	963	942	936	610
45°	807	809	804	786	778	623
55°	602	599	585	573	572	537
65°	374	370	350	334	331	368
75°	151	153	145	146	126	163
85°	23	23	20	19	18	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1145.0	1145.0	1145.0	1145.0	1145.0
2.5°	1145.0	1143.1	1146.3	1147.5	1141.9
5°	1144.4	1141.9	1145.0	1144.4	1141.2
7.5°	1142.5	1138.1	1141.2	1140.0	1138.7
10°	1137.5	1133.7	1136.2	1134.3	1131.2
12.5°	1130.5	1128.0	1129.9	1128.0	1123.6
15°	1124.9	1121.1	1121.7	1118.6	1114.8
17.5°	1117.3	1111.7	1111.7	1105.4	1101.0
20°	1105.4	1100.4	1097.8	1089.0	1083.4
22.5°	1091.6	1087.8	1082.8	1071.4	1065.2
25°	1075.2	1071.4	1064.5	1050.7	1044.4
27.5°	1056.3	1051.3	1043.8	1027.4	1019.9
30°	1034.3	1028.1	1019.9	1001.6	992.8
32.5°	1007.3	1002.9	992.2	973.3	965.2
35°	975.9	973.3	963.3	941.9	935.6
37.5°	943.8	938.8	930.0	907.3	901.0
40°	902.9	899.8	892.2	870.2	862.7
42.5°	858.9	857.0	850.7	830.0	821.8
45°	806.7	809.2	804.2	786.0	778.4
47.5°	757.0	755.8	753.9	737.6	731.3
50°	705.5	703.0	699.2	686.0	680.3
52.5°	657.1	652.0	642.0	630.7	626.9
55°	602.4	599.2	584.8	572.8	571.6
57.5°	547.0	545.2	527.5	513.7	513.7
60°	490.4	487.9	468.4	454.0	452.7
62.5°	431.3	429.5	409.3	393.0	393.6
65°	373.5	370.4	350.2	334.5	331.4
67.5°	313.1	311.9	292.4	277.9	276.7
70°	252.8	252.8	237.0	224.5	260.3
72.5°	199.3	197.4	184.9	179.2	171.0
75°	150.9	152.8	145.2	145.9	125.8
77.5°	107.5	104.4	101.2	94.3	100.0
80°	72.9	71.1	64.8	62.9	66.0
82.5°	45.3	45.9	40.2	36.5	35.8
85°	23.3	22.6	19.5	18.9	18.2
87.5°	8.8	9.4	8.2	7.5	6.9
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)