

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: P505940

Luminaire Tested: **14PD-40-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-40-PW1-L930
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

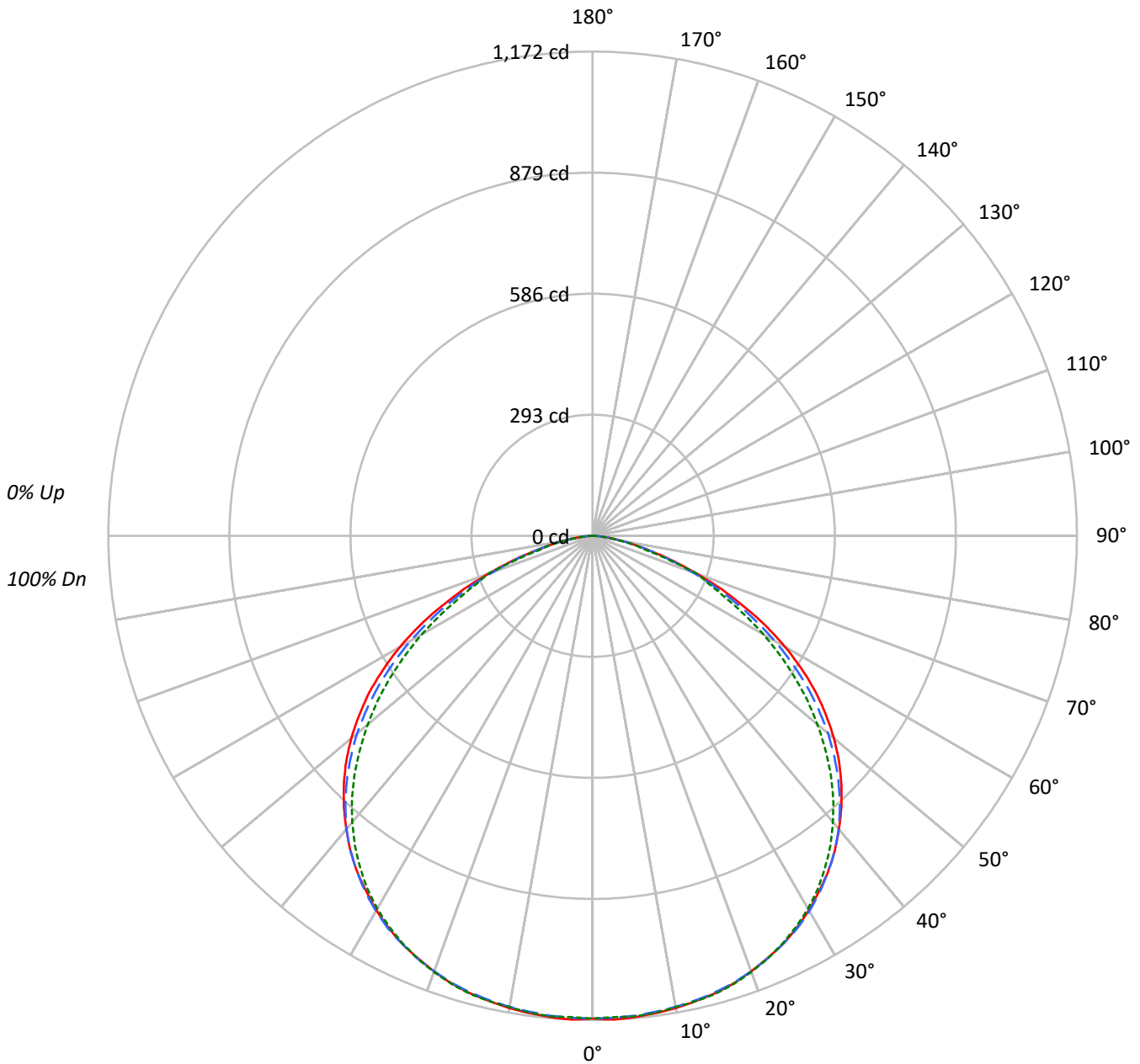
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3327.5 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
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 (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

TEST NUMBER: P505940
CATALOG NUMBER: 14PD-40-PW1-L930

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72			72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			45
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			35
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			28
10	54	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°	3144	3144	3144
5°	3160	3151	3154
10°	3173	3164	3166
15°	3194	3187	3198
20°	3213	3212	3217
25°	3238	3238	3232
30°	3253	3259	3238
35°	3263	3263	3222
40°	3257	3255	3178
45°	3240	3202	3099
50°	3191	3113	2972
55°	3092	2962	2801
60°	2897	2737	2567
65°	2565	2418	2259
70°	2094	2001	2109
75°	1579	1552	1394
80°	1136	1065	1065
85°	713	673	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	3.3
10°-20°	323.4	9.7
20°-30°	502.1	15.1
30°-40°	618.4	18.6
40°-50°	643.8	19.3
50°-60°	559.9	16.8
60°-70°	376.1	11.3
70°-80°	162.8	4.9
80°-90°	29.9	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°	936.6	28.1
0°-40°	1555.0	46.7
0°-60°	2758.6	82.9
0°-90°	3327.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3327.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1170	1162	1166	1169	1168	111
15°	1147	1139	1144	1148	1148	324
25°	1090	1085	1090	1090	1088	502
35°	993	991	993	985	981	621
45°	851	849	841	822	814	656
55°	659	647	631	606	597	586
65°	403	396	380	362	355	399
75°	152	153	149	153	134	167
85°	23	24	22	19	19	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.4	1168.4	1168.4	1168.4	1168.4
2.5°	1172.3	1165.1	1167.7	1171.7	1166.4
5°	1169.7	1162.4	1166.4	1169.0	1167.7
7.5°	1165.7	1160.4	1162.4	1165.1	1164.4
10°	1161.1	1155.8	1157.8	1160.4	1158.5
12.5°	1153.8	1147.9	1151.8	1154.5	1153.8
15°	1146.6	1138.6	1143.9	1147.9	1147.9
17.5°	1136.0	1129.4	1134.7	1138.0	1137.3
20°	1122.1	1117.5	1121.5	1124.1	1123.4
22.5°	1106.3	1103.0	1107.6	1107.6	1107.6
25°	1090.4	1085.1	1090.4	1090.4	1088.4
27.5°	1070.0	1065.3	1071.9	1070.0	1066.6
30°	1046.8	1044.2	1048.8	1045.5	1042.2
32.5°	1019.8	1018.4	1023.1	1016.5	1013.8
35°	993.3	990.7	993.3	984.8	980.8
37.5°	962.3	959.7	962.3	951.1	945.1
40°	927.3	925.3	926.6	912.1	904.8
42.5°	891.0	889.0	885.7	867.8	861.9
45°	851.3	848.7	841.4	822.3	814.4
47.5°	809.1	804.4	793.9	773.4	762.8
50°	762.2	755.6	743.7	721.2	710.0
52.5°	711.3	703.4	688.2	665.7	655.2
55°	659.1	647.3	631.4	606.3	597.1
57.5°	599.7	587.2	570.6	547.5	537.0
60°	538.3	525.7	508.6	487.4	476.9
62.5°	472.9	461.7	444.5	424.7	415.4
65°	402.9	395.6	379.8	361.9	354.7
67.5°	336.8	329.6	316.4	301.2	303.8
70°	266.2	265.5	254.3	243.7	268.1
72.5°	207.4	206.1	200.1	194.8	193.5
75°	151.9	153.2	149.3	152.6	134.1
77.5°	107.0	108.3	107.7	98.4	103.0
80°	73.3	73.3	68.7	65.4	68.7
82.5°	44.3	52.8	47.6	39.0	37.6
85°	23.1	23.8	21.8	19.2	19.2
87.5°	8.6	9.9	8.6	7.9	7.3
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)