

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: P505942

Luminaire Tested: **14PD-40-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505942
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-L940
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

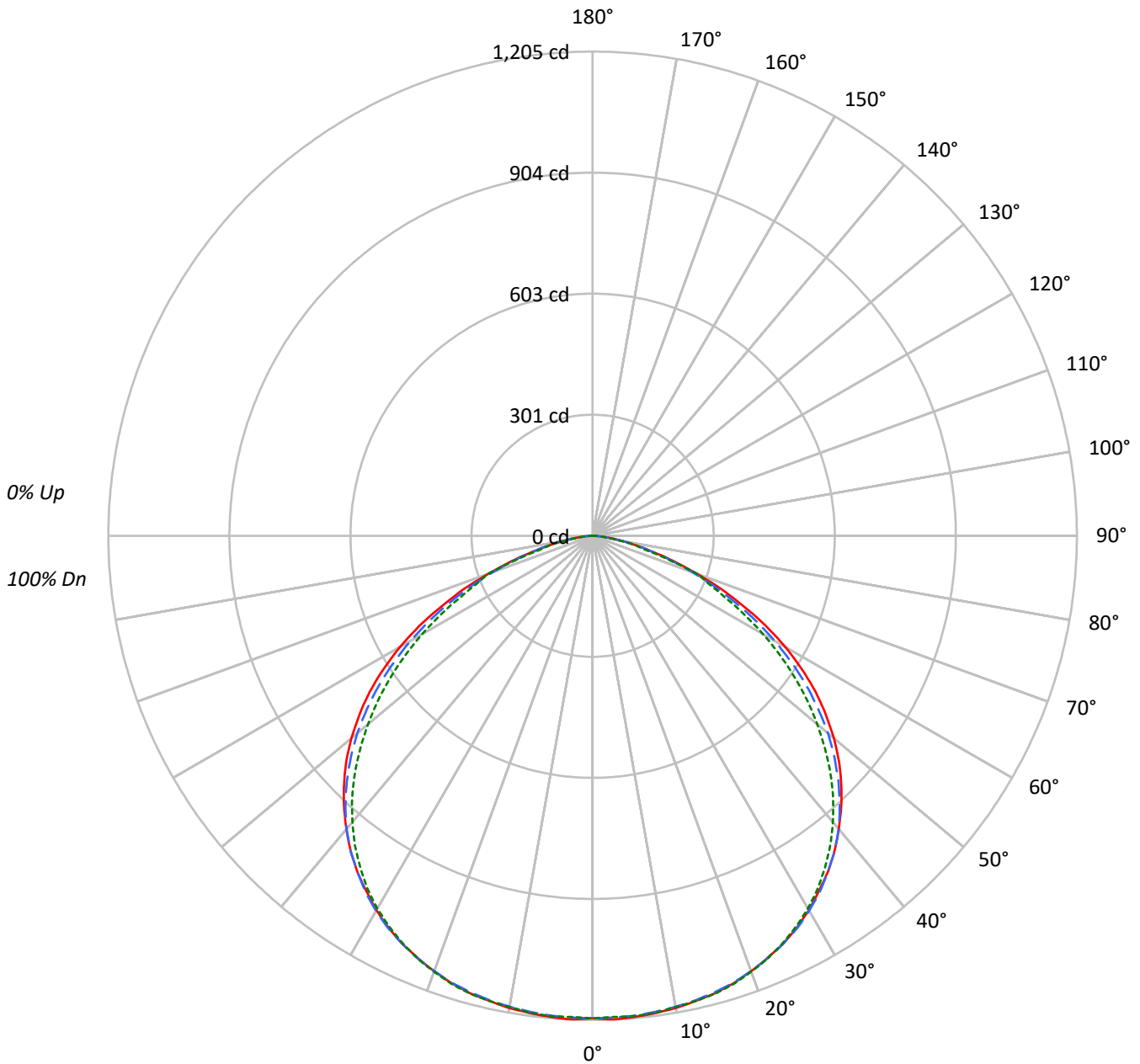
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3419.9 lumens
Efficiency: N/A
Efficacy: 90.5 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

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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			
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	83	79	76	80	77	74	72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3231	3231	3231
5°	3247	3238	3242
10°	3261	3252	3253
15°	3283	3275	3287
20°	3303	3301	3307
25°	3328	3328	3322
30°	3343	3350	3329
35°	3354	3354	3311
40°	3348	3346	3267
45°	3330	3291	3185
50°	3280	3200	3055
55°	3179	3044	2879
60°	2977	2813	2638
65°	2637	2485	2321
70°	2153	2056	2168
75°	1623	1595	1433
80°	1167	1094	1094
85°	735	692	608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	3.3
10°-20°	332.4	9.7
20°-30°	516.0	15.1
30°-40°	635.6	18.6
40°-50°	661.7	19.3
50°-60°	575.4	16.8
60°-70°	386.6	11.3
70°-80°	167.3	4.9
80°-90°	30.7	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°	962.6	28.1
0°-40°	1598.2	46.7
0°-60°	2835.3	82.9
0°-90°	3419.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3419.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1201	1201	1201	1201	1201	
5°	1202	1195	1199	1202	1200	114
15°	1178	1170	1176	1180	1180	333
25°	1121	1115	1121	1121	1119	516
35°	1021	1018	1021	1012	1008	638
45°	875	872	865	845	837	674
55°	678	665	649	623	614	602
65°	414	407	390	372	364	410
75°	156	158	153	157	138	172
85°	24	24	22	20	20	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1200.8	1200.8	1200.8	1200.8	1200.8
2.5°	1204.9	1197.4	1200.1	1204.2	1198.8
5°	1202.2	1194.7	1198.8	1201.5	1200.1
7.5°	1198.1	1192.7	1194.7	1197.4	1196.8
10°	1193.4	1187.9	1190.0	1192.7	1190.6
12.5°	1185.9	1179.8	1183.9	1186.6	1185.9
15°	1178.4	1170.3	1175.7	1179.8	1179.8
17.5°	1167.6	1160.8	1166.2	1169.6	1168.9
20°	1153.3	1148.6	1152.6	1155.3	1154.7
22.5°	1137.0	1133.6	1138.4	1138.4	1138.4
25°	1120.7	1115.3	1120.7	1120.7	1118.7
27.5°	1099.7	1094.9	1101.7	1099.7	1096.3
30°	1075.9	1073.2	1078.0	1074.6	1071.2
32.5°	1048.1	1046.7	1051.5	1044.7	1042.0
35°	1020.9	1018.2	1020.9	1012.1	1008.0
37.5°	989.0	986.3	989.0	977.5	971.4
40°	953.1	951.0	952.4	937.4	930.0
42.5°	915.7	913.7	910.3	892.0	885.9
45°	875.0	872.3	864.8	845.1	837.0
47.5°	831.5	826.8	815.9	794.9	784.0
50°	783.4	776.6	764.3	741.3	729.7
52.5°	731.1	722.9	707.3	684.2	673.4
55°	677.5	665.2	648.9	623.2	613.6
57.5°	616.4	603.5	586.5	562.7	551.9
60°	553.2	540.3	522.7	501.0	490.1
62.5°	486.0	474.5	456.8	436.5	427.0
65°	414.1	406.6	390.3	372.0	364.5
67.5°	346.2	338.7	325.2	309.5	312.3
70°	273.6	272.9	261.3	250.5	275.6
72.5°	213.1	211.8	205.7	200.3	198.9
75°	156.1	157.5	153.4	156.8	137.8
77.5°	110.0	111.3	110.6	101.1	105.9
80°	75.3	75.3	70.6	67.2	70.6
82.5°	45.5	54.3	48.9	40.1	38.7
85°	23.8	24.4	22.4	19.7	19.7
87.5°	8.8	10.2	8.8	8.1	7.5
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)