

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: P505943

Luminaire Tested: **14PD-40-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

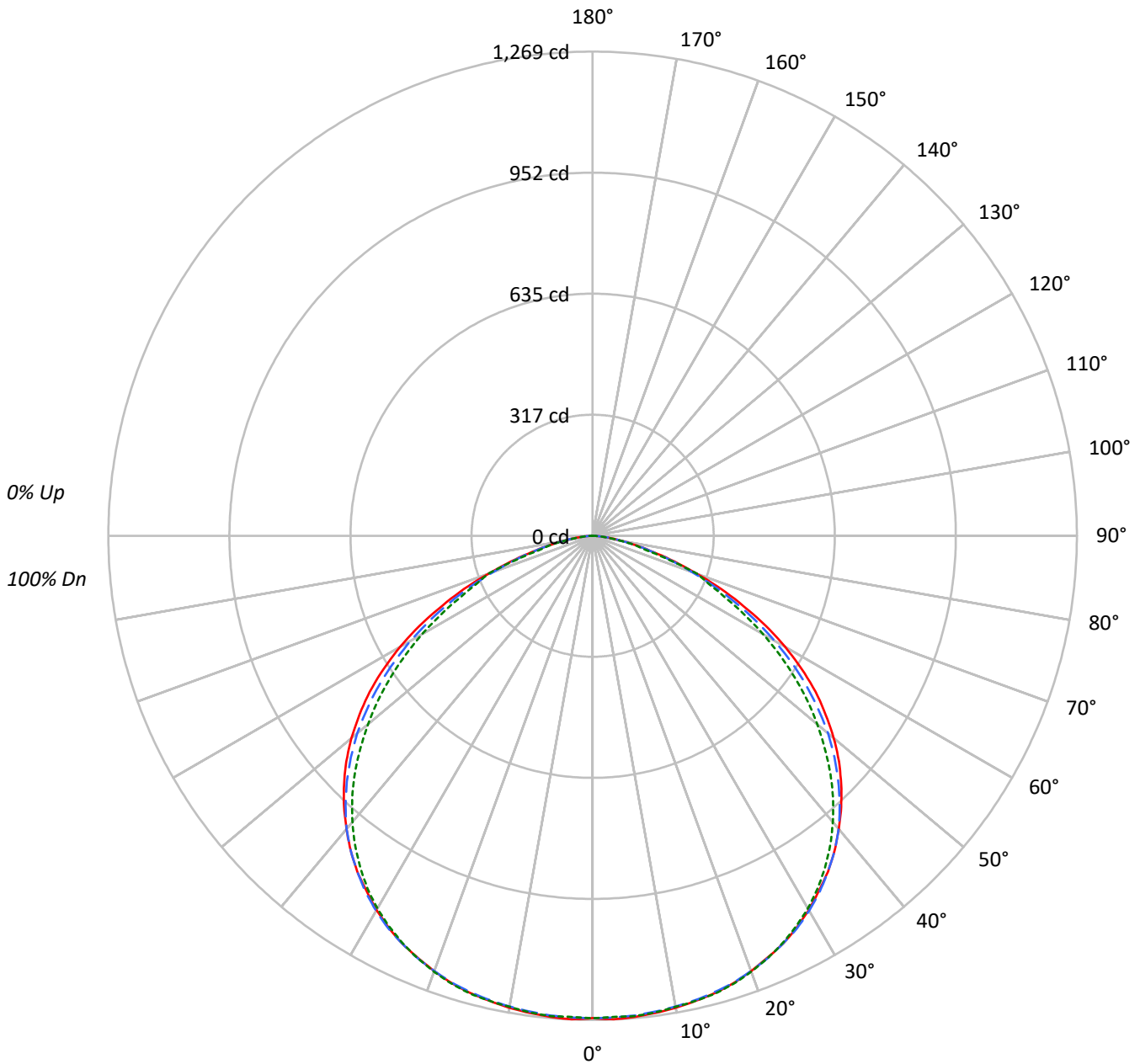
Test Method: LM-79-08  
Report Number: P505943  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-40-PW1-L950  
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3600.8 lumens  
Efficiency: N/A  
Efficacy: 95.3 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<sub>in</sub>): 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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CATALOG NUMBER: 14PD-40-PW1-L950

### 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	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°	3402	3402	3402
5°	3419	3410	3413
10°	3433	3424	3425
15°	3457	3449	3461
20°	3477	3475	3481
25°	3504	3504	3497
30°	3520	3527	3504
35°	3531	3531	3487
40°	3525	3523	3440
45°	3506	3465	3354
50°	3453	3369	3216
55°	3347	3206	3031
60°	3135	2962	2777
65°	2776	2617	2444
70°	2266	2165	2283
75°	1709	1679	1509
80°	1229	1151	1151
85°	772	729	639



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.2	3.3
10°-20°	350.0	9.7
20°-30°	543.3	15.1
30°-40°	669.2	18.6
40°-50°	696.7	19.3
50°-60°	605.9	16.8
60°-70°	407.0	11.3
70°-80°	176.2	4.9
80°-90°	32.3	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°	1013.5	28.1
0°-40°	1682.7	46.7
0°-60°	2985.2	82.9
0°-90°	3600.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3600.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1266	1258	1262	1265	1264	121
15°	1241	1232	1238	1242	1242	350
25°	1180	1174	1180	1180	1178	544
35°	1075	1072	1075	1066	1061	672
45°	921	918	911	890	881	710
55°	713	700	683	656	646	634
65°	436	428	411	392	384	432
75°	164	166	162	165	145	181
85°	25	26	24	21	21	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1264.3	1264.3	1264.3	1264.3	1264.3
2.5°	1268.6	1260.8	1263.6	1267.9	1262.2
5°	1265.8	1257.9	1262.2	1265.1	1263.6
7.5°	1261.5	1255.8	1257.9	1260.8	1260.1
10°	1256.5	1250.8	1252.9	1255.8	1253.6
12.5°	1248.6	1242.2	1246.5	1249.3	1248.6
15°	1240.8	1232.2	1237.9	1242.2	1242.2
17.5°	1229.3	1222.2	1227.9	1231.5	1230.7
20°	1214.3	1209.3	1213.6	1216.5	1215.7
22.5°	1197.2	1193.6	1198.6	1198.6	1198.6
25°	1180.0	1174.3	1180.0	1180.0	1177.9
27.5°	1157.8	1152.8	1160.0	1157.8	1154.3
30°	1132.8	1130.0	1135.0	1131.4	1127.8
32.5°	1103.5	1102.1	1107.1	1100.0	1097.1
35°	1074.9	1072.1	1074.9	1065.6	1061.4
37.5°	1041.3	1038.5	1041.3	1029.2	1022.8
40°	1003.5	1001.3	1002.8	987.0	979.2
42.5°	964.2	962.0	958.4	939.1	932.7
45°	921.3	918.4	910.6	889.8	881.3
47.5°	875.5	870.5	859.1	836.9	825.5
50°	824.8	817.6	804.8	780.5	768.3
52.5°	769.8	761.2	744.7	720.4	709.0
55°	713.3	700.4	683.3	656.1	646.1
57.5°	649.0	635.4	617.5	592.5	581.1
60°	582.5	568.9	550.3	527.5	516.0
62.5°	511.7	499.6	481.0	459.6	449.6
65°	436.0	428.1	411.0	391.7	383.8
67.5°	364.5	356.6	342.4	325.9	328.8
70°	288.0	287.3	275.2	263.7	290.2
72.5°	224.4	223.0	216.6	210.8	209.4
75°	164.4	165.8	161.5	165.1	145.1
77.5°	115.8	117.2	116.5	106.5	111.5
80°	79.3	79.3	74.3	70.8	74.3
82.5°	47.9	57.2	51.5	42.2	40.7
85°	25.0	25.7	23.6	20.7	20.7
87.5°	9.3	10.7	9.3	8.6	7.9
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)