

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: P505933

Luminaire Tested: **14PD-40-PR1-L940**

Issue Date: 3/26/2021

**Test Information**

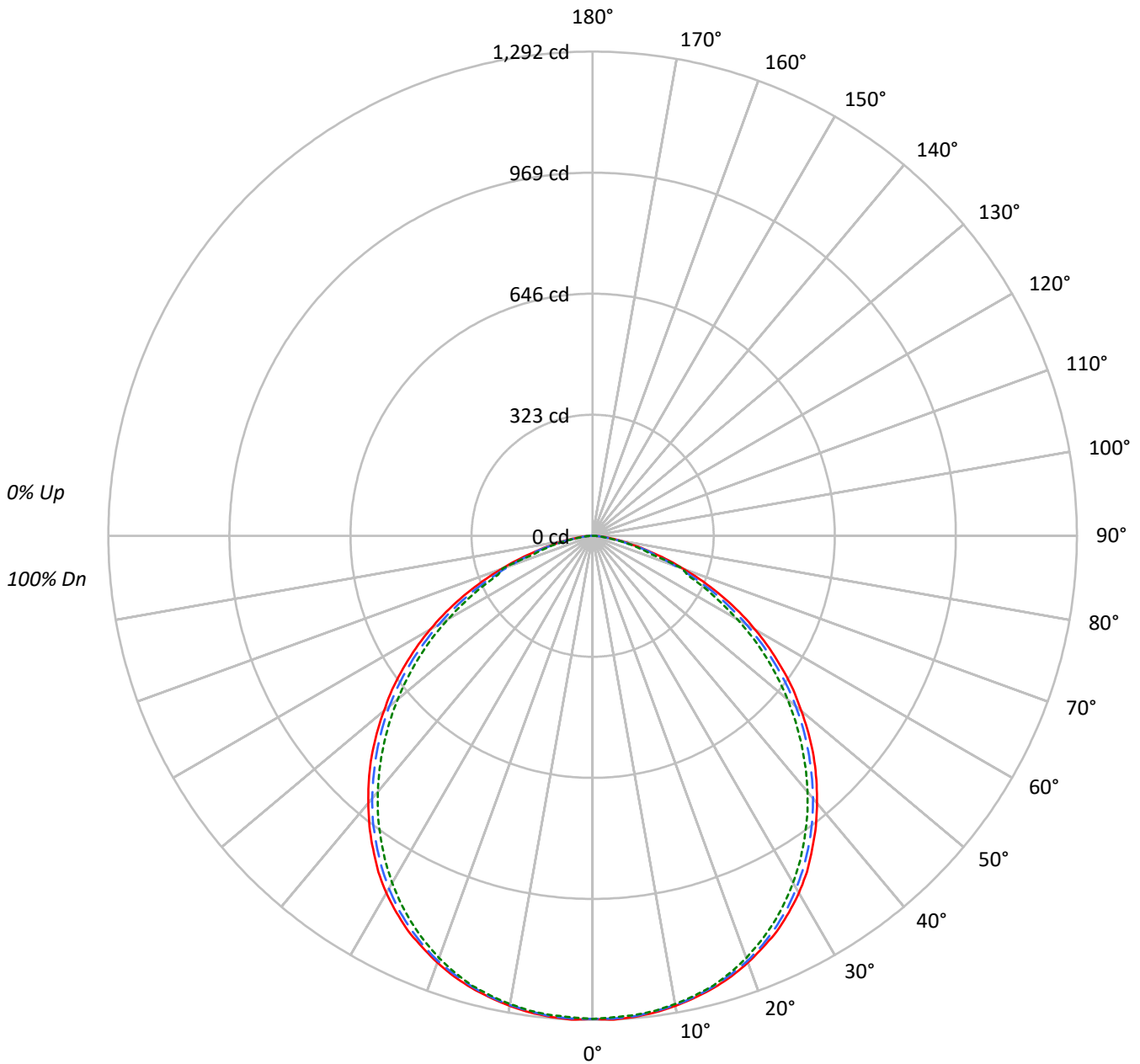
Test Method: LM-79-08  
Report Number: P505933  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-40-PR1-L940  
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3318.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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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### 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	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86								
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73								
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62								
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53								
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46								
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41								
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36								
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32								
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29								
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3469	3469	3469
5°	3481	3476	3467
10°	3481	3474	3467
15°	3480	3469	3462
20°	3471	3458	3432
25°	3456	3426	3388
30°	3421	3377	3324
35°	3354	3304	3237
40°	3270	3215	3132
45°	3174	3096	2999
50°	3042	2962	2842
55°	2894	2780	2648
60°	2694	2554	2396
65°	2420	2248	2102
70°	2035	1854	2005
75°	1567	1508	1355
80°	1128	1009	959
85°	692	593	531



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.2	3.7
10°-20°	351.1	10.6
20°-30°	530.3	16.0
30°-40°	627.4	18.9
40°-50°	625.6	18.9
50°-60°	528.5	15.9
60°-70°	352.1	10.6
70°-80°	153.0	4.6
80°-90°	27.8	0.8
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°	1003.6	30.2
0°-40°	1631.1	49.2
0°-60°	2785.1	83.9
0°-90°	3318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1289	1289	1289	1289	1289	
5°	1289	1284	1287	1286	1284	123
15°	1249	1243	1245	1243	1243	353
25°	1164	1156	1154	1144	1141	536
35°	1021	1014	1006	992	985	639
45°	834	826	814	796	788	642
55°	617	612	593	573	564	551
65°	380	376	353	338	330	376
75°	151	148	145	140	130	165
85°	22	23	19	18	17	30
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1289.3	1289.3	1289.3	1289.3	1289.3
2.5°	1292.5	1286.7	1289.3	1289.3	1286.1
5°	1288.6	1283.5	1286.7	1285.5	1283.5
7.5°	1282.9	1277.8	1279.7	1279.1	1278.4
10°	1274.0	1268.9	1271.4	1270.1	1268.9
12.5°	1262.5	1257.4	1259.9	1258.0	1256.7
15°	1249.1	1243.3	1245.2	1243.3	1242.7
17.5°	1232.5	1226.7	1227.3	1224.8	1222.2
20°	1212.0	1206.9	1207.5	1201.2	1198.6
22.5°	1188.4	1183.3	1182.6	1174.3	1171.1
25°	1164.1	1156.5	1153.9	1143.7	1141.1
27.5°	1133.5	1126.4	1122.6	1111.8	1106.7
30°	1100.9	1093.2	1086.9	1074.7	1069.6
32.5°	1063.9	1056.2	1047.9	1035.1	1029.4
35°	1021.1	1014.1	1005.8	992.3	985.3
37.5°	978.3	970.6	962.3	946.4	940.6
40°	931.0	924.0	915.1	897.8	891.5
42.5°	883.8	875.5	864.6	848.0	841.0
45°	834.0	826.3	813.5	796.3	788.0
47.5°	781.6	775.2	761.8	743.3	734.4
50°	726.7	721.6	707.5	687.1	678.8
52.5°	674.3	667.3	651.3	630.9	622.0
55°	616.9	612.4	592.6	573.4	564.5
57.5°	559.4	553.6	533.8	514.7	506.4
60°	500.6	495.5	474.5	455.3	445.1
62.5°	441.3	435.5	413.2	395.9	386.3
65°	380.0	375.5	353.1	337.8	330.1
67.5°	318.6	315.5	291.8	279.1	273.3
70°	258.6	254.2	235.6	230.5	254.8
72.5°	203.1	197.3	181.4	173.1	166.7
75°	150.7	147.5	145.0	139.8	130.3
77.5°	106.0	105.4	96.4	89.4	96.4
80°	72.8	75.4	65.1	59.4	61.9
82.5°	44.7	49.8	39.0	34.5	33.2
85°	22.4	23.0	19.2	17.9	17.2
87.5°	8.3	9.6	8.3	7.0	7.0
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)