

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: P505934

Luminaire Tested: **14PD-40-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505934
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-L950
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

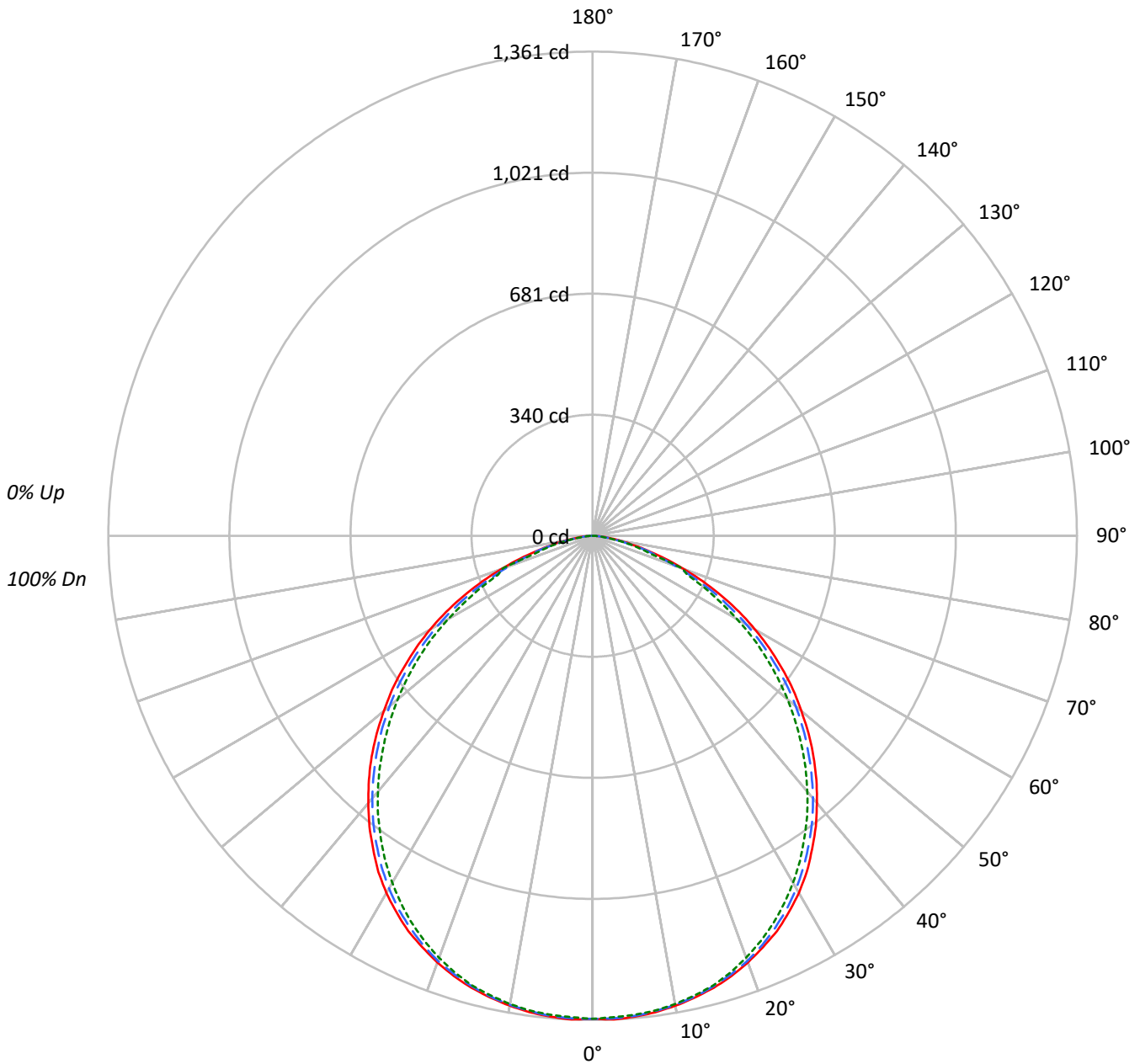
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3494.0 lumens
Efficiency: N/A
Efficacy: 92.4 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_{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									
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	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°	3654	3654	3654
5°	3666	3660	3651
10°	3666	3658	3651
15°	3664	3653	3646
20°	3655	3641	3615
25°	3640	3608	3568
30°	3602	3556	3500
35°	3532	3479	3409
40°	3444	3385	3297
45°	3342	3260	3158
50°	3203	3119	2992
55°	3048	2928	2789
60°	2837	2689	2523
65°	2548	2368	2214
70°	2142	1952	2111
75°	1650	1587	1426
80°	1189	1063	1010
85°	726	624	562



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	3.7
10°-20°	369.7	10.6
20°-30°	558.5	16.0
30°-40°	660.7	18.9
40°-50°	658.8	18.9
50°-60°	556.5	15.9
60°-70°	370.8	10.6
70°-80°	161.1	4.6
80°-90°	29.2	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°	1056.9	30.2
0°-40°	1717.6	49.2
0°-60°	2932.9	83.9
0°-90°	3494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1358	1358	1358	1358	1358	
5°	1357	1352	1355	1354	1352	129
15°	1315	1309	1311	1309	1309	371
25°	1226	1218	1215	1204	1202	564
35°	1075	1068	1059	1045	1038	672
45°	878	870	857	838	830	676
55°	650	645	624	604	594	580
65°	400	395	372	356	348	395
75°	159	155	153	147	137	173
85°	24	24	20	19	18	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1357.7	1357.7	1357.7	1357.7	1357.7
2.5°	1361.0	1355.0	1357.7	1357.7	1354.3
5°	1357.0	1351.6	1355.0	1353.6	1351.6
7.5°	1350.9	1345.6	1347.6	1346.9	1346.2
10°	1341.5	1336.2	1338.8	1337.5	1336.2
12.5°	1329.4	1324.1	1326.7	1324.7	1323.4
15°	1315.3	1309.3	1311.3	1309.3	1308.6
17.5°	1297.8	1291.8	1292.4	1289.8	1287.1
20°	1276.3	1270.9	1271.6	1264.9	1262.2
22.5°	1251.4	1246.0	1245.4	1236.6	1233.3
25°	1225.9	1217.8	1215.1	1204.4	1201.7
27.5°	1193.6	1186.2	1182.2	1170.7	1165.4
30°	1159.3	1151.2	1144.5	1131.7	1126.4
32.5°	1120.3	1112.2	1103.5	1090.0	1084.0
35°	1075.2	1067.8	1059.1	1045.0	1037.6
37.5°	1030.2	1022.1	1013.4	996.6	990.5
40°	980.4	973.0	963.6	945.5	938.7
42.5°	930.7	921.9	910.5	893.0	885.6
45°	878.2	870.1	856.7	838.5	829.8
47.5°	823.1	816.4	802.2	782.7	773.3
50°	765.2	759.9	745.1	723.6	714.8
52.5°	710.1	702.7	685.9	664.4	655.0
55°	649.6	644.9	624.0	603.9	594.4
57.5°	589.1	583.0	562.2	542.0	533.3
60°	527.2	521.8	499.6	479.5	468.7
62.5°	464.7	458.6	435.1	416.9	406.8
65°	400.1	395.4	371.9	355.7	347.7
67.5°	335.6	332.2	307.3	293.9	287.8
70°	272.3	267.6	248.1	242.8	268.3
72.5°	213.8	207.8	191.0	182.2	175.5
75°	158.7	155.3	152.6	147.3	137.2
77.5°	111.6	111.0	101.5	94.1	101.5
80°	76.7	79.3	68.6	62.5	65.2
82.5°	47.1	52.5	41.0	36.3	35.0
85°	23.5	24.2	20.2	18.8	18.2
87.5°	8.7	10.1	8.7	7.4	7.4
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)