

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: P505932

Luminaire Tested: **14PD-40-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P505932
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-L935
Description: 4000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

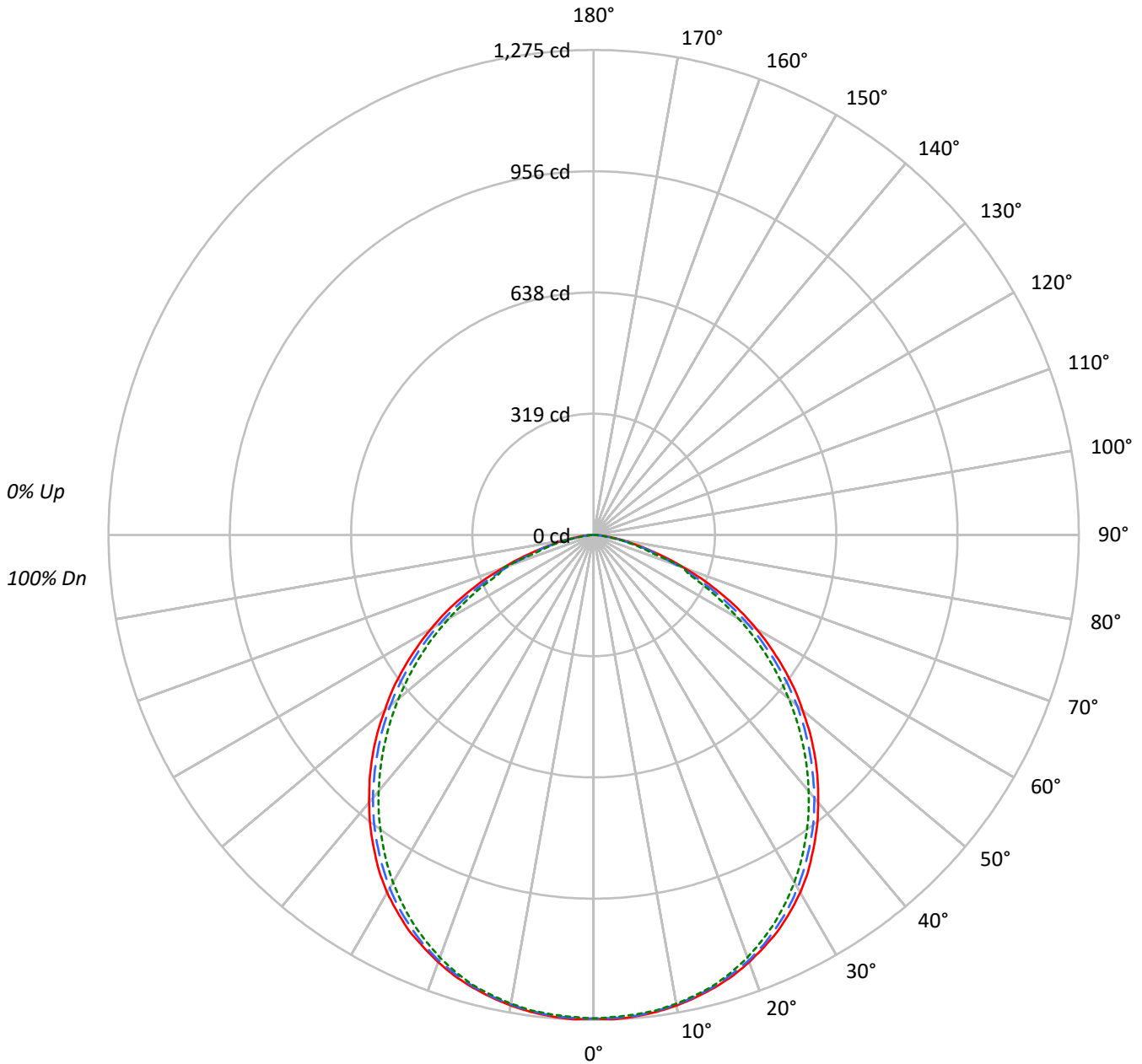
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3272.0 lumens
Efficiency: N/A
Efficacy: 86.6 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°	3421	3421	3421
5°	3433	3428	3419
10°	3433	3426	3419
15°	3431	3421	3414
20°	3423	3410	3385
25°	3409	3379	3341
30°	3373	3330	3278
35°	3308	3258	3192
40°	3225	3170	3088
45°	3130	3053	2957
50°	3000	2921	2802
55°	2854	2742	2612
60°	2657	2518	2362
65°	2386	2217	2073
70°	2006	1828	1977
75°	1545	1486	1336
80°	1113	995	947
85°	679	584	525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	3.7
10°-20°	346.2	10.6
20°-30°	523.0	16.0
30°-40°	618.7	18.9
40°-50°	616.9	18.9
50°-60°	521.2	15.9
60°-70°	347.2	10.6
70°-80°	150.9	4.6
80°-90°	27.4	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°	989.7	30.2
0°-40°	1608.5	49.2
0°-60°	2746.5	83.9
0°-90°	3272.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3272.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1271	1266	1269	1268	1266	121
15°	1232	1226	1228	1226	1225	348
25°	1148	1140	1138	1128	1125	528
35°	1007	1000	992	979	972	630
45°	822	815	802	785	777	633
55°	608	604	584	566	557	543
65°	375	370	348	333	326	370
75°	149	146	143	138	128	162
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°	1271.4	1271.4	1271.4	1271.4	1271.4
2.5°	1274.6	1268.9	1271.4	1271.4	1268.3
5°	1270.8	1265.7	1268.9	1267.6	1265.7
7.5°	1265.1	1260.1	1262.0	1261.3	1260.7
10°	1256.3	1251.3	1253.8	1252.5	1251.3
12.5°	1245.0	1239.9	1242.4	1240.6	1239.3
15°	1231.7	1226.1	1228.0	1226.1	1225.4
17.5°	1215.4	1209.7	1210.3	1207.8	1205.3
20°	1195.2	1190.2	1190.8	1184.5	1182.0
22.5°	1171.9	1166.9	1166.2	1158.1	1154.9
25°	1148.0	1140.4	1137.9	1127.8	1125.3
27.5°	1117.8	1110.8	1107.1	1096.3	1091.3
30°	1085.6	1078.1	1071.8	1059.8	1054.8
32.5°	1049.1	1041.6	1033.4	1020.8	1015.1
35°	1006.9	1000.0	991.8	978.6	971.7
37.5°	964.7	957.2	949.0	933.2	927.6
40°	918.1	911.2	902.4	885.4	879.1
42.5°	871.5	863.3	852.6	836.3	829.3
45°	822.4	814.9	802.3	785.3	777.1
47.5°	770.8	764.5	751.3	733.0	724.2
50°	716.6	711.6	697.7	677.6	669.4
52.5°	665.0	658.1	642.3	622.2	613.4
55°	608.3	603.9	584.4	565.5	556.7
57.5°	551.6	546.0	526.4	507.6	499.4
60°	493.7	488.7	467.9	449.0	438.9
62.5°	435.1	429.5	407.4	390.4	381.0
65°	374.7	370.3	348.2	333.1	325.6
67.5°	314.2	311.1	287.8	275.2	269.5
70°	255.0	250.6	232.4	227.3	251.3
72.5°	200.3	194.6	178.8	170.7	164.4
75°	148.6	145.5	142.9	137.9	128.5
77.5°	104.5	103.9	95.1	88.2	95.1
80°	71.8	74.3	64.2	58.6	61.1
82.5°	44.1	49.1	38.4	34.0	32.7
85°	22.0	22.7	18.9	17.6	17.0
87.5°	8.2	9.4	8.2	6.9	6.9
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)