

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: P506270

Luminaire Tested: **22PD-40-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PL1-L840
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

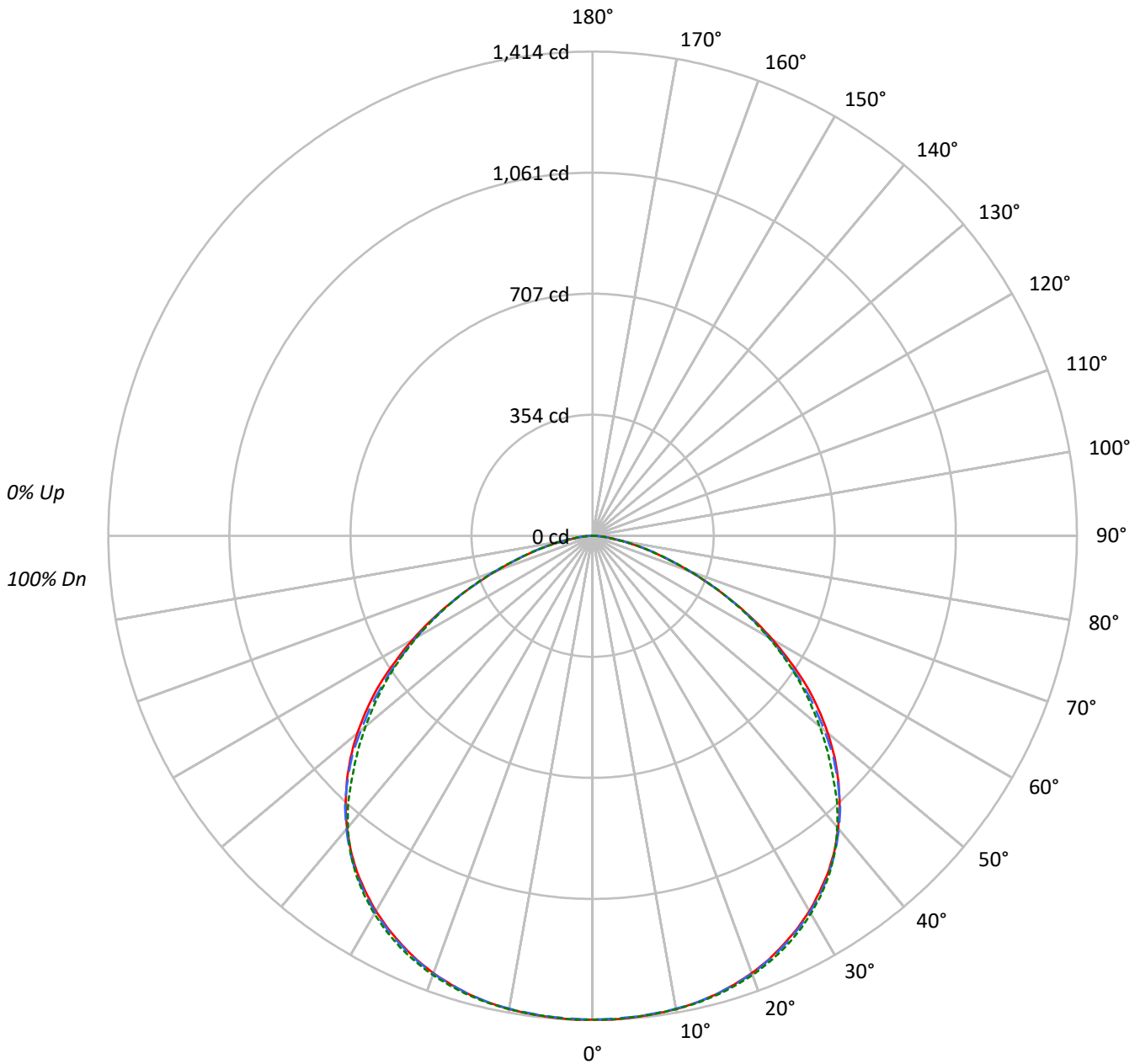
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4002.0 lumens
Efficiency: N/A
Efficacy: 122.8 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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	84	79	76	81	77	74	72								
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61								
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52								
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45								
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40								
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35								
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31								
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28								
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3802	3802	3802
5°	3813	3809	3810
10°	3836	3832	3836
15°	3864	3864	3872
20°	3892	3897	3909
25°	3913	3922	3941
30°	3933	3945	3961
35°	3939	3952	3960
40°	3918	3929	3904
45°	3862	3851	3773
50°	3753	3695	3620
55°	3571	3480	3440
60°	3270	3208	3189
65°	2851	2845	2835
70°	2337	2376	2368
75°	1852	1883	1852
80°	1358	1350	1342
85°	908	892	951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	3.4
10°-20°	392.0	9.8
20°-30°	609.4	15.2
30°-40°	751.2	18.8
40°-50°	775.9	19.4
50°-60°	663.9	16.6
60°-70°	443.1	11.1
70°-80°	194.5	4.9
80°-90°	37.6	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°	1135.8	28.4
0°-40°	1887.0	47.2
0°-60°	3326.9	83.1
0°-90°	4002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1413	1413	1413	1413	1413	
5°	1411	1409	1410	1409	1410	134
15°	1387	1386	1387	1388	1390	392
25°	1318	1318	1321	1325	1327	608
35°	1199	1199	1203	1206	1206	749
45°	1015	1014	1012	1002	992	781
55°	761	752	742	738	733	677
65°	448	447	447	448	445	444
75°	178	177	181	180	178	193
85°	29	29	29	30	31	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1412.9	1412.9	1412.9	1412.9	1412.9
2.5°	1413.9	1411.9	1411.4	1411.4	1413.9
5°	1411.4	1409.4	1409.9	1408.9	1410.4
7.5°	1407.9	1406.0	1406.5	1406.0	1407.9
10°	1404.0	1402.0	1402.5	1402.0	1404.0
12.5°	1397.0	1395.5	1396.5	1397.0	1398.5
15°	1387.0	1385.6	1387.0	1388.0	1390.0
17.5°	1374.1	1373.1	1374.6	1376.1	1378.6
20°	1359.2	1358.2	1360.7	1362.2	1365.2
22.5°	1340.8	1339.8	1342.3	1345.8	1347.7
25°	1317.9	1317.9	1320.9	1324.9	1327.3
27.5°	1293.5	1293.0	1296.5	1300.5	1303.0
30°	1265.7	1264.7	1269.6	1273.1	1274.6
32.5°	1233.3	1233.8	1238.3	1241.8	1242.3
35°	1199.0	1199.0	1203.0	1205.5	1205.5
37.5°	1159.7	1159.2	1163.2	1164.2	1162.7
40°	1115.4	1115.9	1118.4	1117.9	1111.4
42.5°	1067.6	1068.1	1070.1	1063.2	1056.7
45°	1014.9	1014.4	1011.9	1002.5	991.5
47.5°	958.7	956.2	952.2	937.8	929.8
50°	896.5	892.5	882.6	871.1	864.7
52.5°	830.8	823.9	813.9	805.0	799.5
55°	761.2	751.7	741.8	737.8	733.3
57.5°	683.6	677.6	669.1	667.2	664.2
60°	607.5	601.0	596.0	596.0	592.5
62.5°	527.9	523.9	521.9	522.9	519.4
65°	447.8	446.8	446.8	448.3	445.3
67.5°	370.1	372.1	371.6	376.6	372.6
70°	297.0	300.5	302.0	307.0	301.0
72.5°	233.8	234.3	236.3	237.8	234.8
75°	178.1	176.6	181.1	180.1	178.1
77.5°	128.9	127.9	129.4	130.3	127.9
80°	87.6	86.6	87.1	88.6	86.6
82.5°	55.2	54.2	54.2	55.7	55.2
85°	29.4	28.9	28.9	29.9	30.8
87.5°	10.4	10.0	10.4	10.4	10.4
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)