

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: P506271

Luminaire Tested: **22PD-40-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506271
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-L850
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

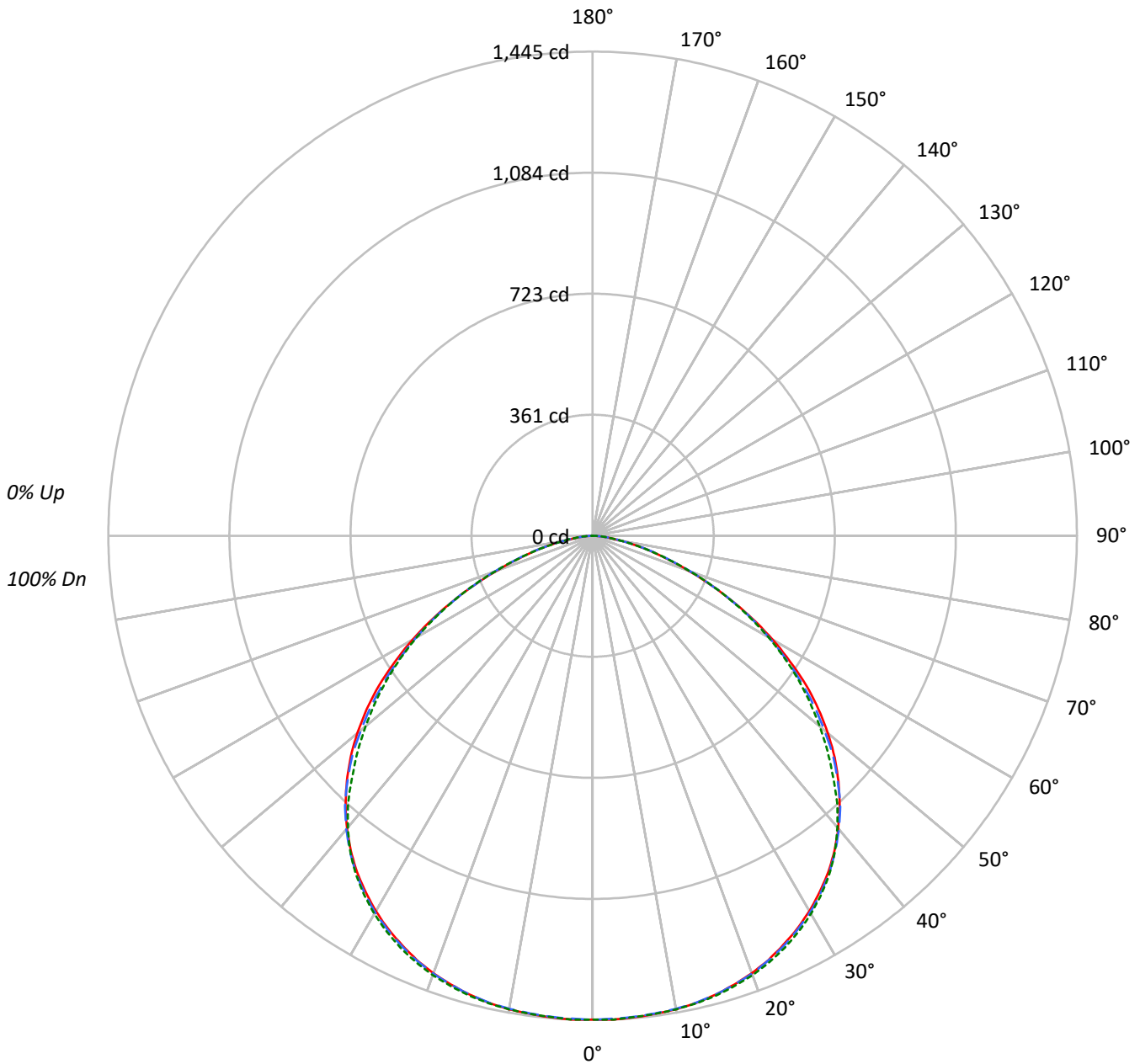
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4090.4 lumens
Efficiency: N/A
Efficacy: 125.5 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	64	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°	3886	3886	3886
5°	3897	3893	3894
10°	3921	3917	3921
15°	3950	3950	3958
20°	3978	3983	3996
25°	3999	4008	4028
30°	4020	4032	4048
35°	4026	4039	4048
40°	4005	4016	3991
45°	3948	3936	3857
50°	3836	3777	3700
55°	3650	3557	3516
60°	3342	3279	3259
65°	2914	2907	2898
70°	2389	2429	2420
75°	1892	1925	1892
80°	1387	1379	1371
85°	926	911	973



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	3.4
10°-20°	400.7	9.8
20°-30°	622.8	15.2
30°-40°	767.8	18.8
40°-50°	793.1	19.4
50°-60°	678.6	16.6
60°-70°	452.9	11.1
70°-80°	198.7	4.9
80°-90°	38.4	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°	1160.8	28.4
0°-40°	1928.6	47.2
0°-60°	3400.3	83.1
0°-90°	4090.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4090.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1444	1444	1444	1444	1444	
5°	1443	1440	1441	1440	1442	137
15°	1418	1416	1418	1419	1421	401
25°	1347	1347	1350	1354	1357	621
35°	1226	1226	1230	1232	1232	766
45°	1037	1037	1034	1025	1013	799
55°	778	768	758	754	750	692
65°	458	457	457	458	455	454
75°	182	180	185	184	182	197
85°	30	30	30	30	32	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1444.1	1444.1	1444.1	1444.1	1444.1
2.5°	1445.1	1443.1	1442.6	1442.6	1445.1
5°	1442.6	1440.5	1441.1	1440.0	1441.6
7.5°	1439.0	1437.0	1437.5	1437.0	1439.0
10°	1435.0	1432.9	1433.4	1432.9	1435.0
12.5°	1427.8	1426.3	1427.3	1427.8	1429.4
15°	1417.7	1416.1	1417.7	1418.7	1420.7
17.5°	1404.4	1403.4	1405.0	1406.5	1409.0
20°	1389.2	1388.2	1390.7	1392.2	1395.3
22.5°	1370.4	1369.4	1371.9	1375.5	1377.5
25°	1347.0	1347.0	1350.0	1354.1	1356.6
27.5°	1322.1	1321.6	1325.1	1329.2	1331.7
30°	1293.6	1292.6	1297.7	1301.2	1302.7
32.5°	1260.5	1261.1	1265.6	1269.2	1269.7
35°	1225.5	1225.5	1229.5	1232.1	1232.1
37.5°	1185.3	1184.8	1188.8	1189.9	1188.3
40°	1140.0	1140.5	1143.1	1142.6	1136.0
42.5°	1091.2	1091.7	1093.8	1086.6	1080.0
45°	1037.3	1036.8	1034.3	1024.6	1013.4
47.5°	979.9	977.3	973.2	958.5	950.4
50°	916.3	912.2	902.1	890.4	883.8
52.5°	849.2	842.1	831.9	822.7	817.1
55°	778.0	768.3	758.2	754.1	749.5
57.5°	698.7	692.6	683.9	681.9	678.8
60°	620.9	614.3	609.2	609.2	605.6
62.5°	539.5	535.4	533.4	534.4	530.9
65°	457.6	456.6	456.6	458.1	455.1
67.5°	378.3	380.3	379.8	384.9	380.9
70°	303.6	307.1	308.7	313.7	307.6
72.5°	239.0	239.5	241.5	243.1	240.0
75°	182.0	180.5	185.1	184.1	182.0
77.5°	131.7	130.7	132.2	133.2	130.7
80°	89.5	88.5	89.0	90.5	88.5
82.5°	56.4	55.4	55.4	57.0	56.4
85°	30.0	29.5	29.5	30.5	31.5
87.5°	10.7	10.2	10.7	10.7	10.7
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)