

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: P506276

Luminaire Tested: **22PD-40-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506276
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-L950
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

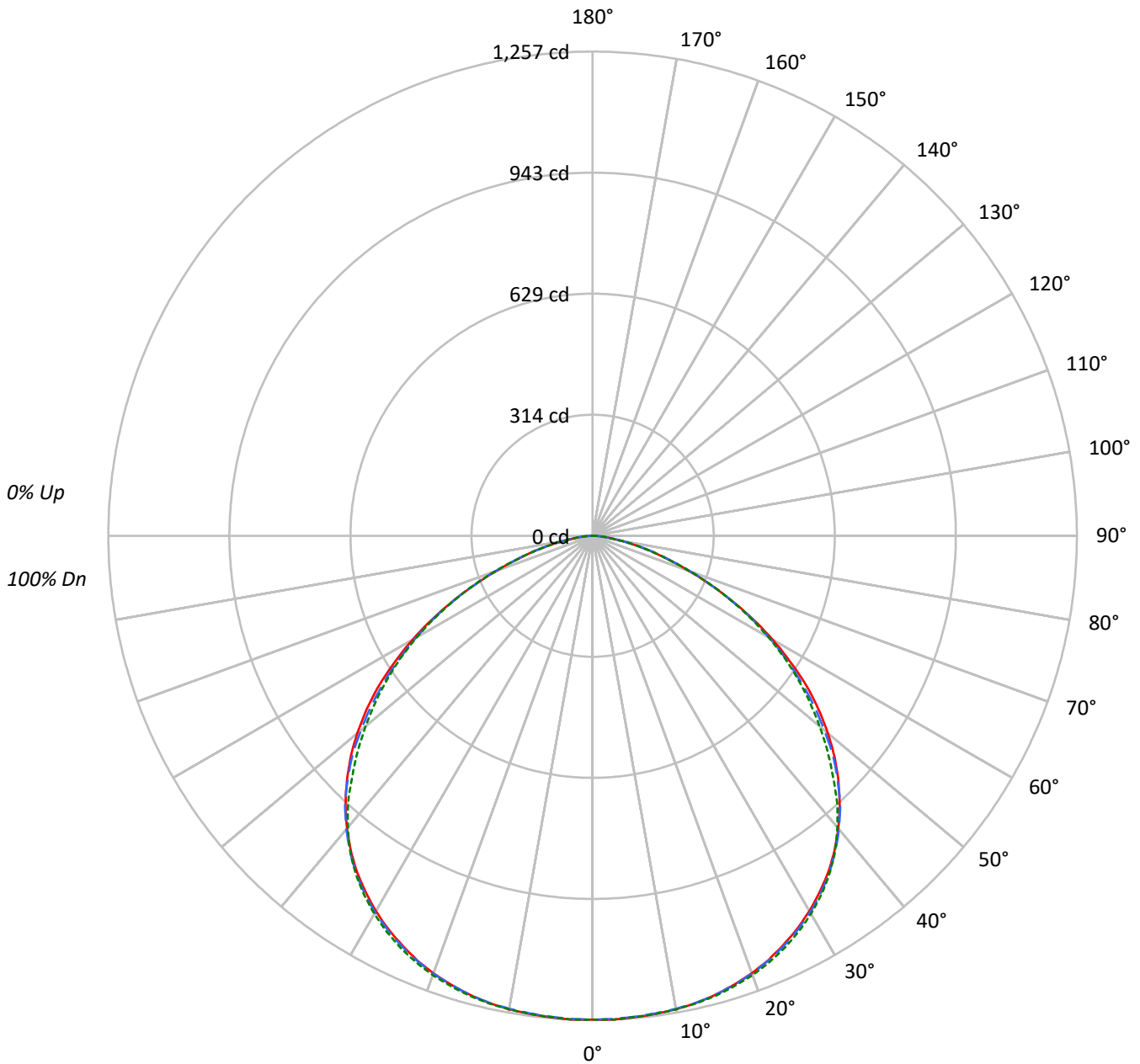
Lumens per Lamp: N/A
Luminaire Lumens: 3558.3 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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									
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	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°	3381	3381	3381
5°	3390	3386	3388
10°	3411	3407	3411
15°	3436	3436	3443
20°	3461	3464	3476
25°	3479	3487	3504
30°	3497	3508	3521
35°	3502	3514	3521
40°	3484	3493	3471
45°	3434	3424	3355
50°	3337	3285	3219
55°	3175	3094	3059
60°	2907	2852	2835
65°	2535	2529	2521
70°	2078	2113	2105
75°	1647	1674	1647
80°	1207	1199	1193
85°	806	794	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.5	3.4
10°-20°	348.6	9.8
20°-30°	541.8	15.2
30°-40°	667.9	18.8
40°-50°	689.9	19.4
50°-60°	590.3	16.6
60°-70°	394.0	11.1
70°-80°	172.9	4.9
80°-90°	33.4	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°	1009.8	28.4
0°-40°	1677.8	47.2
0°-60°	2958.0	83.1
0°-90°	3558.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3558.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1256	1256	1256	1256	1256	
5°	1255	1253	1254	1253	1254	120
15°	1233	1232	1233	1234	1236	348
25°	1172	1172	1174	1178	1180	541
35°	1066	1066	1070	1072	1072	666
45°	902	902	900	891	882	695
55°	677	668	660	656	652	602
65°	398	397	397	399	396	395
75°	158	157	161	160	158	172
85°	26	26	26	26	27	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1256.3	1256.3	1256.3	1256.3	1256.3
2.5°	1257.2	1255.4	1255.0	1255.0	1257.2
5°	1255.0	1253.2	1253.6	1252.7	1254.1
7.5°	1251.9	1250.1	1250.5	1250.1	1251.9
10°	1248.3	1246.5	1247.0	1246.5	1248.3
12.5°	1242.1	1240.8	1241.7	1242.1	1243.4
15°	1233.3	1231.9	1233.3	1234.2	1235.9
17.5°	1221.8	1220.9	1222.2	1223.5	1225.8
20°	1208.5	1207.6	1209.8	1211.2	1213.8
22.5°	1192.1	1191.3	1193.5	1196.6	1198.3
25°	1171.8	1171.8	1174.4	1178.0	1180.2
27.5°	1150.1	1149.7	1152.8	1156.3	1158.5
30°	1125.3	1124.5	1128.9	1132.0	1133.3
32.5°	1096.6	1097.0	1101.0	1104.1	1104.6
35°	1066.1	1066.1	1069.6	1071.8	1071.8
37.5°	1031.1	1030.7	1034.2	1035.1	1033.8
40°	991.8	992.2	994.4	994.0	988.2
42.5°	949.3	949.7	951.5	945.3	939.6
45°	902.4	902.0	899.7	891.3	881.6
47.5°	852.4	850.2	846.7	833.8	826.8
50°	797.1	793.6	784.7	774.6	768.8
52.5°	738.7	732.5	723.7	715.7	710.9
55°	676.8	668.4	659.5	656.0	652.0
57.5°	607.8	602.5	595.0	593.2	590.5
60°	540.1	534.4	529.9	529.9	526.8
62.5°	469.3	465.8	464.0	464.9	461.8
65°	398.1	397.2	397.2	398.6	395.9
67.5°	329.1	330.9	330.4	334.9	331.3
70°	264.1	267.2	268.5	272.9	267.6
72.5°	207.9	208.3	210.1	211.4	208.8
75°	158.4	157.0	161.0	160.1	158.4
77.5°	114.6	113.7	115.0	115.9	113.7
80°	77.9	77.0	77.4	78.7	77.0
82.5°	49.1	48.2	48.2	49.5	49.1
85°	26.1	25.7	25.7	26.5	27.4
87.5°	9.3	8.8	9.3	9.3	9.3
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)