

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: P506268

Luminaire Tested: **22PD-40-PL1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506268
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-L830
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

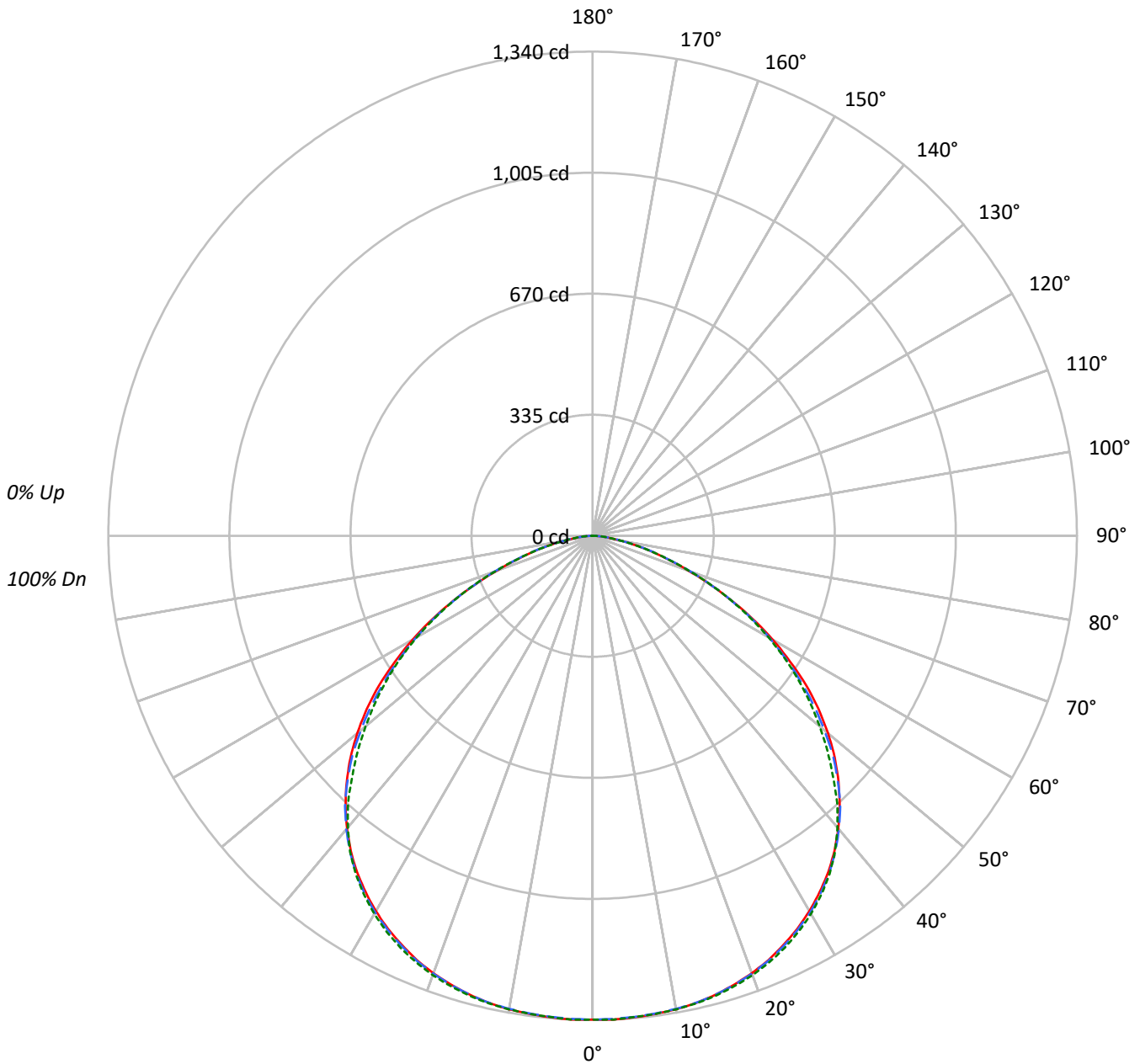
Lumens per Lamp: N/A
Luminaire Lumens: 3793.6 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31					31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3604	3604	3604
5°	3614	3610	3612
10°	3636	3633	3636
15°	3663	3663	3671
20°	3690	3694	3706
25°	3709	3718	3736
30°	3728	3740	3754
35°	3733	3746	3754
40°	3714	3724	3701
45°	3661	3650	3577
50°	3558	3502	3431
55°	3385	3299	3261
60°	3099	3041	3023
65°	2702	2697	2688
70°	2215	2253	2245
75°	1755	1785	1755
80°	1286	1278	1272
85°	858	846	902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	3.4
10°-20°	371.6	9.8
20°-30°	577.6	15.2
30°-40°	712.1	18.8
40°-50°	735.5	19.4
50°-60°	629.4	16.6
60°-70°	420.0	11.1
70°-80°	184.3	4.9
80°-90°	35.6	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°	1076.6	28.4
0°-40°	1788.7	47.2
0°-60°	3153.6	83.1
0°-90°	3793.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3793.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1339	1339	1339	1339	1339	
5°	1338	1336	1336	1336	1337	127
15°	1315	1313	1315	1316	1318	372
25°	1249	1249	1252	1256	1258	576
35°	1136	1136	1140	1143	1143	710
45°	962	962	959	950	940	741
55°	722	713	703	699	695	641
65°	424	424	424	425	422	421
75°	169	167	172	171	169	183
85°	28	27	27	28	29	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1339.3	1339.3	1339.3	1339.3	1339.3
2.5°	1340.3	1338.4	1337.9	1337.9	1340.3
5°	1337.9	1336.0	1336.5	1335.6	1337.0
7.5°	1334.6	1332.7	1333.2	1332.7	1334.6
10°	1330.8	1329.0	1329.4	1329.0	1330.8
12.5°	1324.2	1322.8	1323.8	1324.2	1325.7
15°	1314.8	1313.4	1314.8	1315.7	1317.6
17.5°	1302.5	1301.6	1303.0	1304.4	1306.8
20°	1288.4	1287.5	1289.8	1291.2	1294.1
22.5°	1270.9	1270.0	1272.4	1275.7	1277.6
25°	1249.3	1249.3	1252.1	1255.9	1258.2
27.5°	1226.1	1225.7	1229.0	1232.7	1235.1
30°	1199.7	1198.8	1203.5	1206.8	1208.2
32.5°	1169.1	1169.6	1173.8	1177.1	1177.6
35°	1136.5	1136.5	1140.3	1142.7	1142.7
37.5°	1099.3	1098.8	1102.6	1103.5	1102.1
40°	1057.3	1057.8	1060.1	1059.7	1053.5
42.5°	1012.0	1012.5	1014.4	1007.8	1001.7
45°	962.1	961.6	959.2	950.3	939.9
47.5°	908.8	906.4	902.6	889.0	881.4
50°	849.8	846.0	836.6	825.8	819.6
52.5°	787.6	781.0	771.5	763.0	757.9
55°	721.5	712.6	703.1	699.4	695.1
57.5°	648.0	642.3	634.3	632.4	629.6
60°	575.8	569.7	565.0	565.0	561.7
62.5°	500.4	496.6	494.7	495.6	492.3
65°	424.4	423.5	423.5	424.9	422.1
67.5°	350.9	352.8	352.3	357.0	353.2
70°	281.5	284.8	286.3	291.0	285.3
72.5°	221.6	222.1	224.0	225.4	222.6
75°	168.8	167.4	171.7	170.7	168.8
77.5°	122.1	121.2	122.6	123.6	121.2
80°	83.0	82.1	82.5	83.9	82.1
82.5°	52.3	51.4	51.4	52.8	52.3
85°	27.8	27.4	27.4	28.3	29.2
87.5°	9.9	9.4	9.9	9.9	9.9
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)