

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: P506277

Luminaire Tested: **22PD-40-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506277
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PR1-L830
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

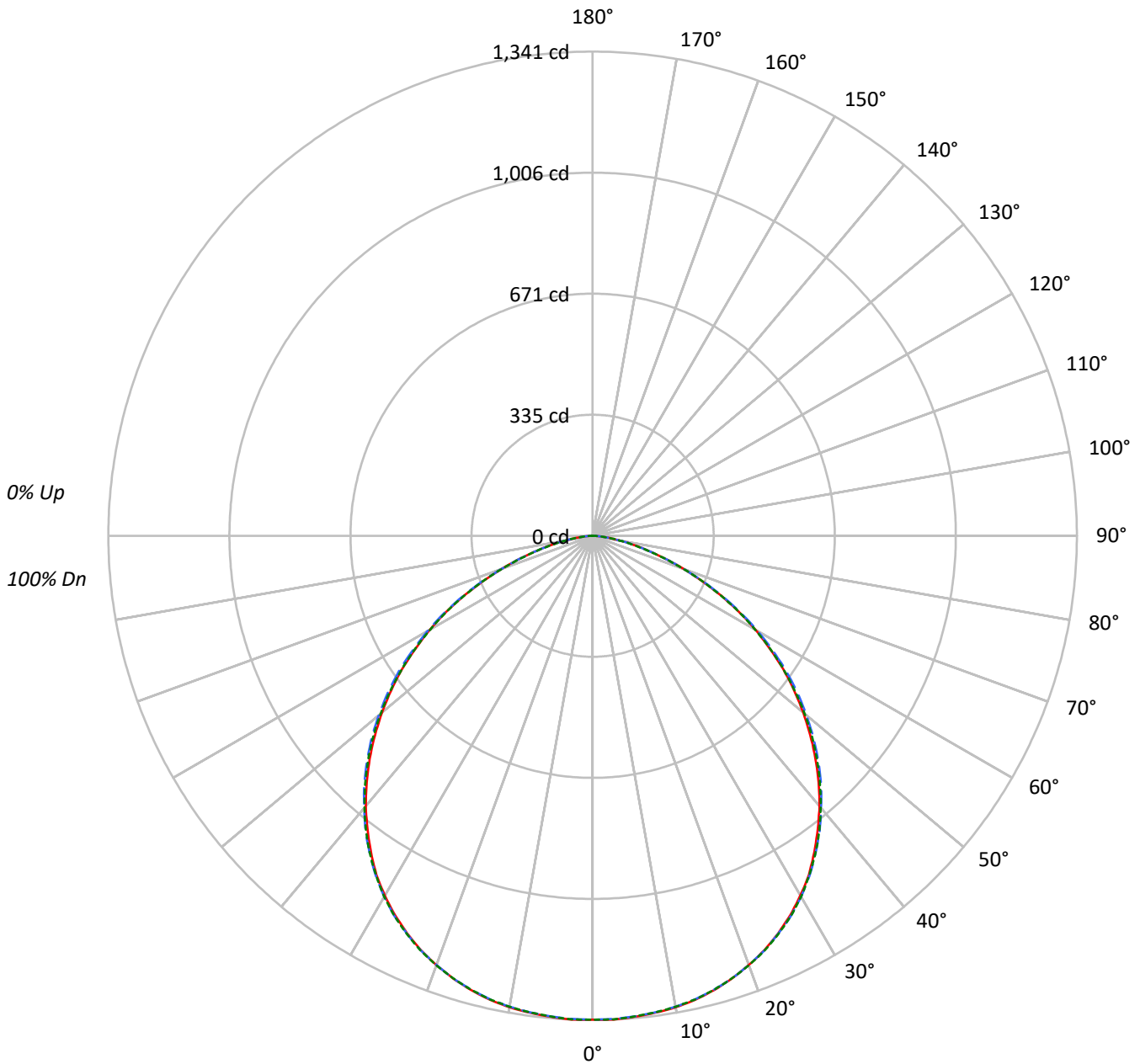
Lumens per Lamp: N/A
Luminaire Lumens: 3582.0 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85																			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72																			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61																			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53																			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40																			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36																			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29																			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3607	3607	3607
5°	3613	3610	3610
10°	3624	3619	3619
15°	3628	3625	3626
20°	3623	3622	3625
25°	3608	3612	3614
30°	3575	3586	3588
35°	3515	3534	3533
40°	3433	3457	3452
45°	3320	3363	3346
50°	3185	3234	3208
55°	3024	3072	3028
60°	2803	2842	2794
65°	2501	2527	2498
70°	2104	2104	2090
75°	1648	1648	1630
80°	1207	1193	1187
85°	787	787	803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	3.6
10°-20°	367.4	10.3
20°-30°	560.3	15.6
30°-40°	671.6	18.7
40°-50°	678.2	18.9
50°-60°	580.3	16.2
60°-70°	391.3	10.9
70°-80°	172.6	4.8
80°-90°	33.1	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°	1054.9	29.4
0°-40°	1726.4	48.2
0°-60°	2984.9	83.3
0°-90°	3582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1340	1340	1340	1340	1340	
5°	1337	1336	1336	1336	1336	127
15°	1302	1302	1301	1301	1302	368
25°	1215	1216	1216	1216	1217	560
35°	1070	1076	1076	1075	1075	669
45°	872	879	884	882	879	672
55°	644	650	655	654	645	574
65°	393	396	397	396	392	388
75°	158	159	158	159	157	173
85°	26	26	26	26	26	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1340.5	1340.5	1340.5	1340.5	1340.5
2.5°	1341.4	1339.6	1339.2	1338.7	1340.5
5°	1337.4	1335.6	1336.5	1335.6	1336.5
7.5°	1332.4	1330.7	1331.1	1330.2	1331.1
10°	1326.2	1324.4	1324.4	1323.5	1324.4
12.5°	1316.3	1315.0	1314.5	1313.6	1315.0
15°	1302.4	1302.0	1301.1	1300.6	1301.5
17.5°	1285.4	1284.5	1285.4	1284.1	1285.0
20°	1265.3	1265.7	1264.8	1265.3	1265.7
22.5°	1242.4	1242.4	1242.9	1242.9	1243.8
25°	1215.1	1216.4	1216.4	1216.4	1217.3
27.5°	1184.6	1186.4	1187.8	1186.9	1187.8
30°	1150.6	1153.7	1154.2	1153.7	1154.6
32.5°	1113.9	1116.1	1117.5	1116.6	1115.7
35°	1070.0	1076.3	1075.8	1074.9	1075.4
37.5°	1023.9	1030.1	1032.4	1030.6	1031.0
40°	977.3	982.6	984.0	984.4	982.6
42.5°	925.8	932.0	937.0	934.7	932.0
45°	872.5	879.2	883.7	882.3	879.2
47.5°	817.4	823.7	829.9	827.7	824.5
50°	760.9	767.2	772.6	771.7	766.3
52.5°	703.2	710.3	715.3	713.5	706.3
55°	644.5	650.3	654.8	653.9	645.4
57.5°	580.9	588.5	590.8	589.4	583.1
60°	520.9	525.8	528.1	526.3	519.1
62.5°	456.8	460.9	462.7	462.2	457.3
65°	392.8	395.9	396.8	395.9	392.3
67.5°	327.0	331.4	331.9	331.9	328.3
70°	267.4	268.7	267.4	271.0	265.6
72.5°	209.6	210.5	209.6	209.6	207.4
75°	158.5	159.0	158.5	159.0	156.8
77.5°	114.7	115.6	113.8	115.1	112.9
80°	77.9	77.9	77.0	77.5	76.6
82.5°	48.4	49.3	47.9	47.9	47.5
85°	25.5	25.5	25.5	26.0	26.0
87.5°	9.0	9.0	9.4	9.4	9.0
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)