

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: P506287

Luminaire Tested: **22PD-40-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PW1-L835
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

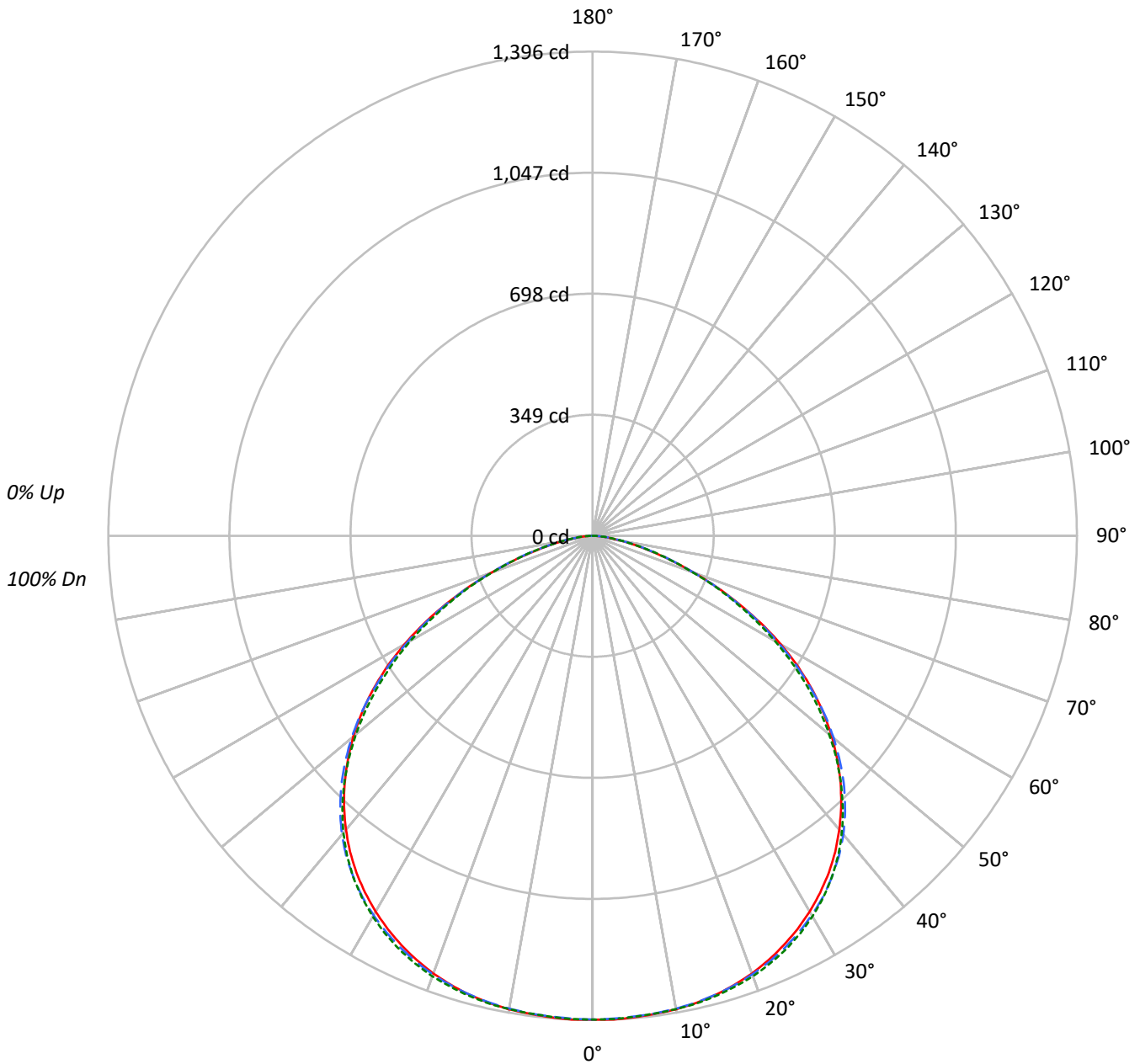
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4031.9 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
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				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				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52				52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39				39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35				35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31				31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3753	3753	3753
5°	3764	3758	3760
10°	3788	3783	3787
15°	3818	3816	3828
20°	3846	3855	3870
25°	3869	3891	3909
30°	3888	3925	3939
35°	3897	3948	3950
40°	3886	3949	3926
45°	3847	3902	3855
50°	3769	3796	3727
55°	3623	3606	3538
60°	3372	3335	3265
65°	2974	2946	2888
70°	2436	2448	2397
75°	1845	1908	1892
80°	1336	1390	1367
85°	877	908	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	3.3
10°-20°	387.4	9.6
20°-30°	603.9	15.0
30°-40°	748.6	18.6
40°-50°	783.3	19.4
50°-60°	682.6	16.9
60°-70°	457.2	11.3
70°-80°	198.2	4.9
80°-90°	38.1	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°	1124.0	27.9
0°-40°	1872.5	46.4
0°-60°	3338.3	82.8
0°-90°	4031.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4031.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1395	1395	1395	1395	1395	
5°	1393	1392	1391	1391	1392	133
15°	1370	1368	1370	1371	1374	387
25°	1303	1304	1311	1315	1317	601
35°	1186	1191	1202	1203	1202	742
45°	1011	1016	1025	1017	1013	778
55°	772	772	769	760	754	688
65°	467	465	463	458	454	462
75°	178	180	184	182	182	196
85°	28	30	29	30	31	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1394.8	1394.8	1394.8	1394.8	1394.8
2.5°	1396.3	1393.8	1393.3	1393.3	1394.8
5°	1393.3	1391.8	1391.3	1390.8	1391.8
7.5°	1390.3	1388.3	1388.8	1387.8	1388.8
10°	1386.4	1384.4	1384.4	1384.4	1385.9
12.5°	1379.4	1377.9	1378.4	1379.4	1381.4
15°	1370.4	1368.4	1369.9	1371.4	1373.9
17.5°	1357.9	1356.4	1358.9	1361.4	1363.4
20°	1343.0	1341.5	1346.0	1349.5	1351.5
22.5°	1324.5	1324.0	1330.0	1334.0	1335.5
25°	1303.1	1303.6	1310.6	1314.6	1316.6
27.5°	1278.7	1279.7	1288.6	1292.1	1294.1
30°	1251.3	1253.7	1263.2	1266.2	1267.7
32.5°	1220.3	1223.8	1235.3	1237.3	1237.3
35°	1186.4	1190.9	1201.9	1203.4	1202.4
37.5°	1148.6	1153.5	1166.0	1164.0	1162.5
40°	1106.2	1111.7	1124.1	1120.1	1117.7
42.5°	1060.8	1066.3	1077.3	1071.3	1067.8
45°	1011.0	1016.5	1025.4	1017.0	1013.0
47.5°	957.1	963.6	968.1	958.6	953.6
50°	900.3	902.3	906.8	895.8	890.3
52.5°	838.5	838.5	842.0	830.0	823.5
55°	772.2	771.7	768.7	760.2	754.2
57.5°	701.9	698.9	696.9	687.9	681.0
60°	626.6	622.1	619.6	612.2	606.7
62.5°	547.9	545.4	542.4	536.4	530.4
65°	467.1	464.6	462.6	458.1	453.6
67.5°	386.8	385.3	385.3	382.4	381.9
70°	309.6	310.6	311.1	311.1	304.6
72.5°	239.8	240.3	242.8	240.8	240.3
75°	177.5	180.5	183.5	182.0	182.0
77.5°	127.6	132.1	132.1	131.1	129.6
80°	86.2	88.2	89.7	89.2	88.2
82.5°	54.8	56.3	54.8	55.8	56.3
85°	28.4	30.4	29.4	29.9	31.4
87.5°	9.5	10.5	11.0	10.5	10.5
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)