

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: P506289

Luminaire Tested: **22PD-40-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506289
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-L850
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

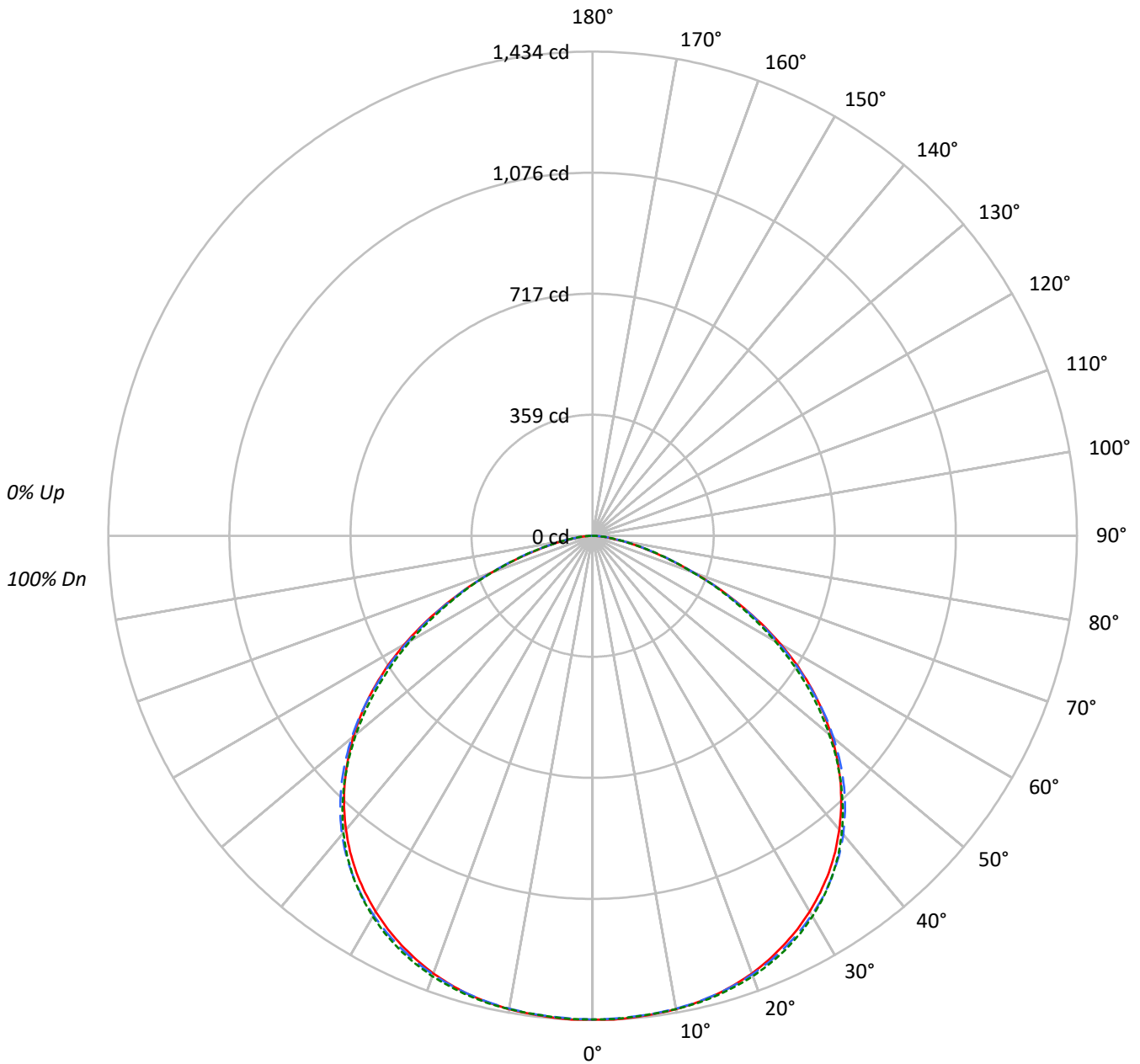
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4141.5 lumens
Efficiency: N/A
Efficacy: 127.0 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°	3855	3855	3855
5°	3866	3860	3862
10°	3891	3886	3890
15°	3921	3920	3931
20°	3950	3959	3975
25°	3974	3997	4015
30°	3994	4032	4046
35°	4004	4056	4057
40°	3991	4056	4033
45°	3952	4008	3960
50°	3872	3899	3828
55°	3721	3704	3635
60°	3464	3426	3354
65°	3055	3026	2967
70°	2502	2514	2462
75°	1895	1959	1943
80°	1373	1429	1404
85°	902	932	997



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.2	3.3
10°-20°	397.9	9.6
20°-30°	620.4	15.0
30°-40°	768.9	18.6
40°-50°	804.6	19.4
50°-60°	701.1	16.9
60°-70°	469.6	11.3
70°-80°	203.6	4.9
80°-90°	39.2	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°	1154.5	27.9
0°-40°	1923.4	46.4
0°-60°	3429.1	82.8
0°-90°	4141.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4141.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1431	1430	1429	1429	1430	136
15°	1408	1406	1407	1409	1411	398
25°	1338	1339	1346	1350	1352	617
35°	1219	1223	1235	1236	1235	762
45°	1038	1044	1053	1045	1040	800
55°	793	793	790	781	775	706
65°	480	477	475	471	466	475
75°	182	185	188	187	187	201
85°	29	31	30	31	32	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1432.7	1432.7	1432.7	1432.7	1432.7
2.5°	1434.3	1431.7	1431.2	1431.2	1432.7
5°	1431.2	1429.6	1429.1	1428.6	1429.6
7.5°	1428.1	1426.1	1426.6	1425.6	1426.6
10°	1424.0	1422.0	1422.0	1422.0	1423.5
12.5°	1416.8	1415.3	1415.8	1416.8	1418.9
15°	1407.6	1405.6	1407.1	1408.7	1411.2
17.5°	1394.8	1393.3	1395.9	1398.4	1400.5
20°	1379.5	1377.9	1382.5	1386.1	1388.2
22.5°	1360.5	1360.0	1366.2	1370.3	1371.8
25°	1338.5	1339.0	1346.2	1350.3	1352.3
27.5°	1313.4	1314.4	1323.7	1327.2	1329.3
30°	1285.3	1287.8	1297.5	1300.6	1302.1
32.5°	1253.5	1257.1	1268.9	1270.9	1270.9
35°	1218.7	1223.3	1234.6	1236.1	1235.1
37.5°	1179.8	1184.9	1197.7	1195.6	1194.1
40°	1136.2	1141.9	1154.7	1150.6	1148.0
42.5°	1089.6	1095.3	1106.5	1100.4	1096.8
45°	1038.4	1044.1	1053.3	1044.6	1040.5
47.5°	983.1	989.8	994.4	984.7	979.6
50°	924.8	926.8	931.4	920.2	914.5
52.5°	861.3	861.3	864.9	852.6	845.9
55°	793.2	792.7	789.6	780.9	774.7
57.5°	721.0	717.9	715.8	706.6	699.5
60°	643.6	639.0	636.5	628.8	623.2
62.5°	562.7	560.2	557.1	551.0	544.8
65°	479.8	477.2	475.2	470.6	466.0
67.5°	397.4	395.8	395.8	392.7	392.2
70°	318.0	319.0	319.5	319.5	312.9
72.5°	246.3	246.8	249.4	247.3	246.8
75°	182.3	185.4	188.4	186.9	186.9
77.5°	131.1	135.7	135.7	134.7	133.1
80°	88.6	90.6	92.2	91.7	90.6
82.5°	56.3	57.9	56.3	57.3	57.9
85°	29.2	31.2	30.2	30.7	32.3
87.5°	9.7	10.8	11.3	10.8	10.8
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)