

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: P506262

Luminaire Tested: **22PD-35-PW1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506262
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-35-PW1-L850
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

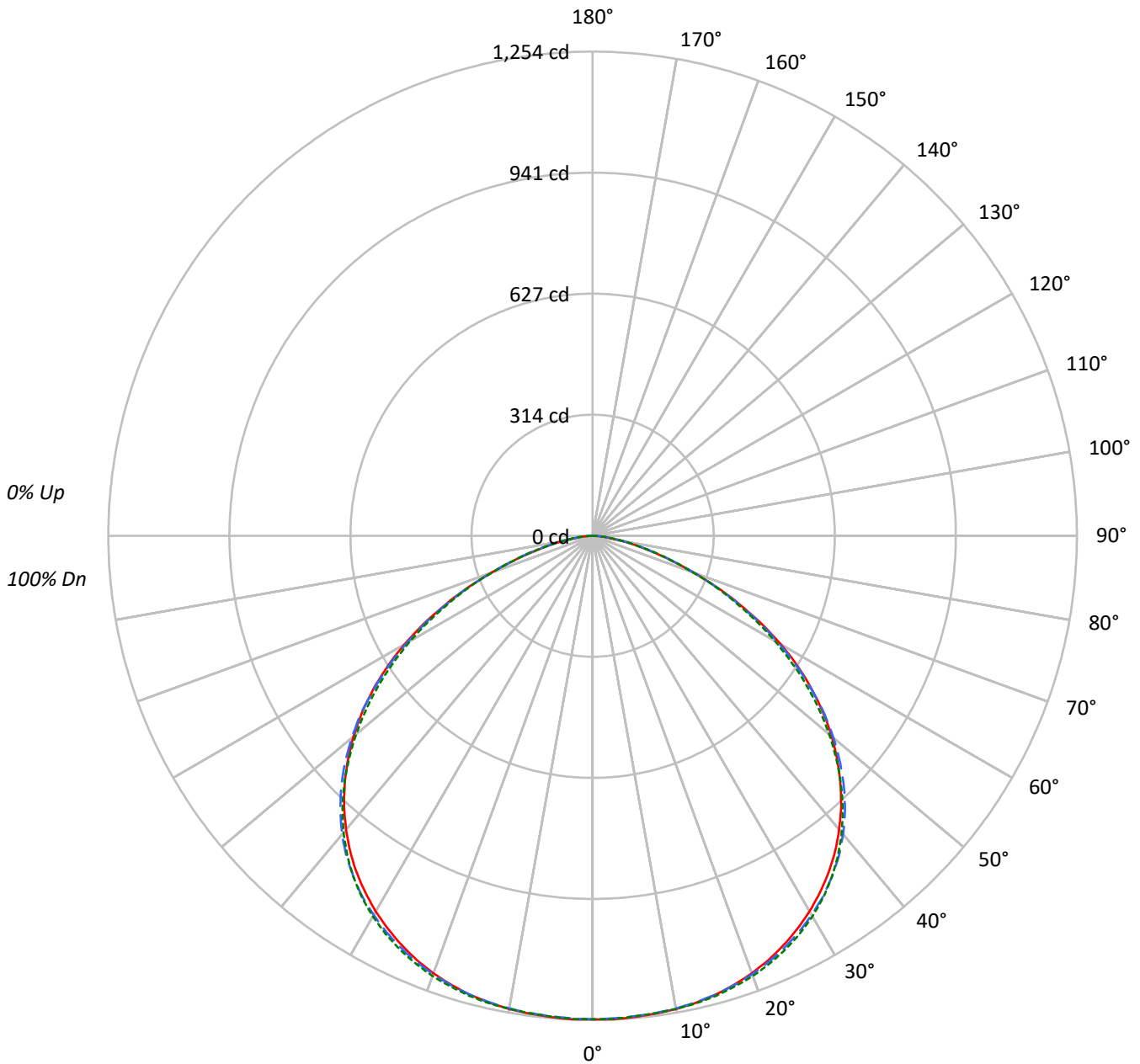
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3619.9 lumens
Efficiency: N/A
Efficacy: 125.7 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): 28.8
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°	3370	3370	3370
5°	3379	3374	3375
10°	3401	3396	3400
15°	3428	3426	3436
20°	3453	3460	3475
25°	3474	3494	3510
30°	3491	3524	3537
35°	3499	3545	3546
40°	3489	3545	3525
45°	3454	3503	3461
50°	3384	3408	3346
55°	3253	3238	3177
60°	3028	2994	2932
65°	2670	2644	2593
70°	2186	2198	2152
75°	1656	1712	1699
80°	1199	1249	1227
85°	787	815	871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	3.3
10°-20°	347.8	9.6
20°-30°	542.2	15.0
30°-40°	672.1	18.6
40°-50°	703.2	19.4
50°-60°	612.8	16.9
60°-70°	410.5	11.3
70°-80°	177.9	4.9
80°-90°	34.3	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°	1009.1	27.9
0°-40°	1681.2	46.4
0°-60°	2997.2	82.8
0°-90°	3619.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3619.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1251	1250	1249	1249	1250	119
15°	1230	1229	1230	1231	1234	348
25°	1170	1170	1177	1180	1182	539
35°	1065	1069	1079	1080	1080	666
45°	908	913	921	913	910	699
55°	693	693	690	682	677	617
65°	419	417	415	411	407	415
75°	159	162	165	163	163	176
85°	26	27	26	27	28	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1252.3	1252.3	1252.3	1252.3	1252.3
2.5°	1253.6	1251.4	1250.9	1250.9	1252.3
5°	1250.9	1249.6	1249.2	1248.7	1249.6
7.5°	1248.3	1246.5	1246.9	1246.0	1246.9
10°	1244.7	1242.9	1242.9	1242.9	1244.2
12.5°	1238.4	1237.1	1237.5	1238.4	1240.2
15°	1230.4	1228.6	1229.9	1231.2	1233.5
17.5°	1219.2	1217.8	1220.1	1222.3	1224.1
20°	1205.7	1204.4	1208.4	1211.6	1213.3
22.5°	1189.2	1188.7	1194.1	1197.7	1199.0
25°	1169.9	1170.4	1176.6	1180.2	1182.0
27.5°	1148.0	1148.9	1157.0	1160.1	1161.9
30°	1123.4	1125.6	1134.1	1136.8	1138.2
32.5°	1095.6	1098.8	1109.1	1110.9	1110.9
35°	1065.2	1069.2	1079.1	1080.4	1079.5
37.5°	1031.2	1035.7	1046.9	1045.1	1043.7
40°	993.1	998.1	1009.3	1005.7	1003.4
42.5°	952.4	957.3	967.2	961.8	958.7
45°	907.7	912.6	920.6	913.0	909.5
47.5°	859.3	865.1	869.2	860.7	856.2
50°	808.3	810.1	814.1	804.3	799.3
52.5°	752.8	752.8	755.9	745.2	739.4
55°	693.3	692.8	690.1	682.5	677.2
57.5°	630.2	627.5	625.7	617.6	611.4
60°	562.6	558.6	556.3	549.6	544.7
62.5°	491.9	489.6	486.9	481.6	476.2
65°	419.4	417.1	415.3	411.3	407.3
67.5°	347.3	346.0	346.0	343.3	342.8
70°	277.9	278.8	279.3	279.3	273.5
72.5°	215.3	215.7	218.0	216.2	215.7
75°	159.3	162.0	164.7	163.4	163.4
77.5°	114.6	118.6	118.6	117.7	116.4
80°	77.4	79.2	80.6	80.1	79.2
82.5°	49.2	50.6	49.2	50.1	50.6
85°	25.5	27.3	26.4	26.9	28.2
87.5°	8.5	9.4	9.8	9.4	9.4
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)