

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: P506244

Luminaire Tested: **22PD-35-PL1-L850**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506244
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-35-PL1-L850
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

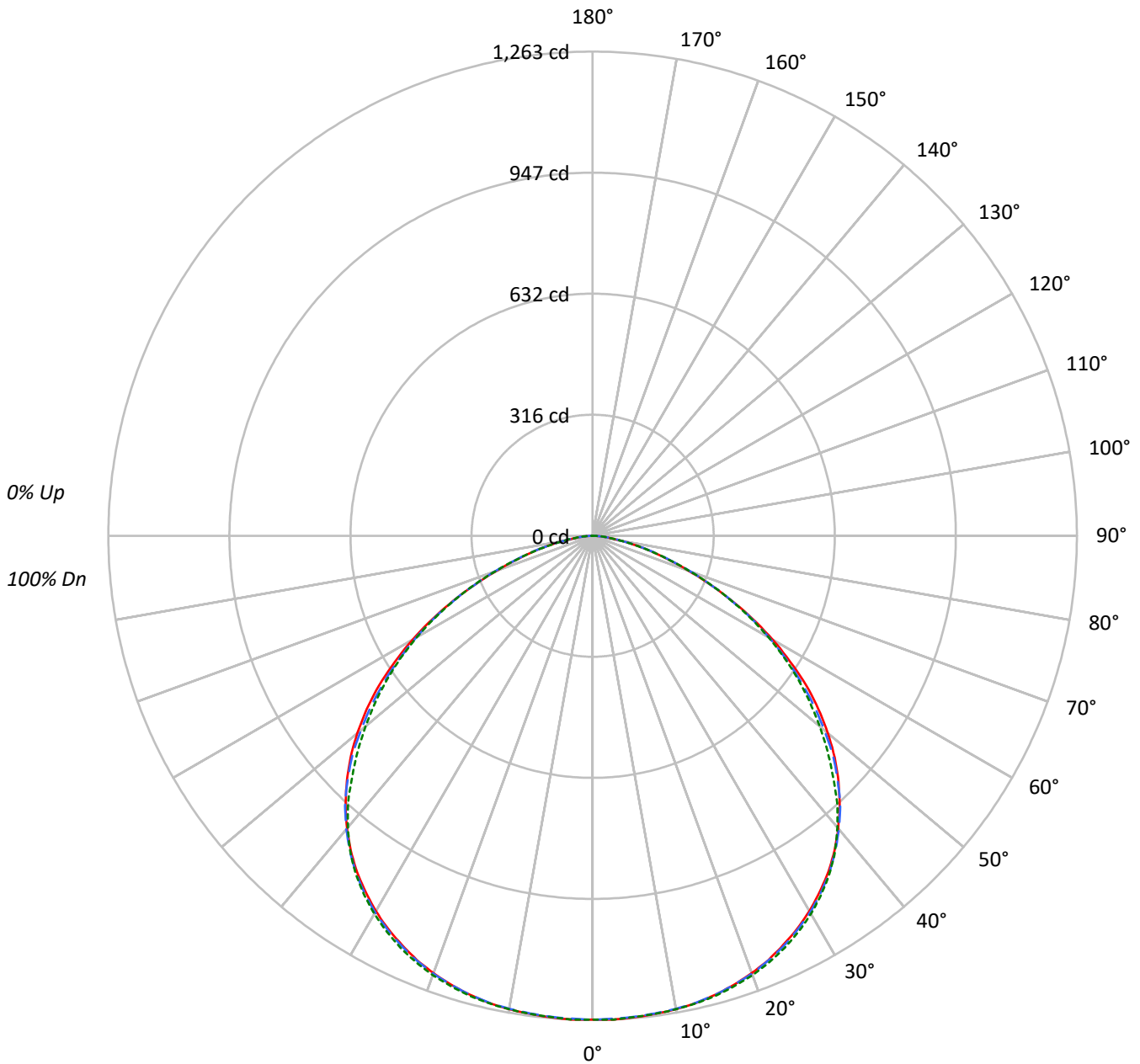
Lumens per Lamp: N/A
Luminaire Lumens: 3575.2 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3397	3397	3397
5°	3406	3403	3404
10°	3427	3424	3427
15°	3452	3452	3460
20°	3477	3481	3493
25°	3496	3504	3521
30°	3513	3524	3538
35°	3519	3530	3538
40°	3501	3510	3488
45°	3451	3440	3371
50°	3353	3301	3234
55°	3190	3109	3073
60°	2921	2865	2849
65°	2547	2541	2533
70°	2087	2123	2116
75°	1654	1682	1654
80°	1212	1206	1198
85°	809	797	852



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	3.4
10°-20°	350.2	9.8
20°-30°	544.4	15.2
30°-40°	671.1	18.8
40°-50°	693.2	19.4
50°-60°	593.1	16.6
60°-70°	395.9	11.1
70°-80°	173.7	4.9
80°-90°	33.6	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°	1014.6	28.4
0°-40°	1685.7	47.2
0°-60°	2972.0	83.1
0°-90°	3575.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3575.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1262	1262	1262	1262	1262	
5°	1261	1259	1260	1259	1260	120
15°	1239	1238	1239	1240	1242	350
25°	1177	1177	1180	1184	1186	543
35°	1071	1071	1075	1077	1077	669
45°	907	906	904	896	886	698
55°	680	672	663	659	655	604
65°	400	399	399	400	398	397
75°	159	158	162	161	159	172
85°	26	26	26	27	28	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1262.2	1262.2	1262.2	1262.2	1262.2
2.5°	1263.1	1261.3	1260.9	1260.9	1263.1
5°	1260.9	1259.1	1259.6	1258.7	1260.0
7.5°	1257.8	1256.0	1256.5	1256.0	1257.8
10°	1254.2	1252.5	1252.9	1252.5	1254.2
12.5°	1248.0	1246.7	1247.6	1248.0	1249.3
15°	1239.1	1237.8	1239.1	1240.0	1241.8
17.5°	1227.6	1226.7	1228.0	1229.3	1231.6
20°	1214.2	1213.3	1215.6	1216.9	1219.6
22.5°	1197.8	1196.9	1199.1	1202.2	1204.0
25°	1177.3	1177.3	1180.0	1183.6	1185.8
27.5°	1155.6	1155.1	1158.2	1161.8	1164.0
30°	1130.7	1129.8	1134.2	1137.3	1138.7
32.5°	1101.8	1102.2	1106.2	1109.3	1109.8
35°	1071.1	1071.1	1074.7	1076.9	1076.9
37.5°	1036.0	1035.6	1039.1	1040.0	1038.7
40°	996.5	996.9	999.1	998.7	992.9
42.5°	953.8	954.2	956.0	949.8	944.0
45°	906.7	906.2	904.0	895.6	885.8
47.5°	856.5	854.2	850.7	837.8	830.7
50°	800.9	797.3	788.5	778.2	772.5
52.5°	742.2	736.0	727.1	719.1	714.2
55°	680.0	671.6	662.7	659.1	655.1
57.5°	610.7	605.3	597.8	596.0	593.3
60°	542.7	536.9	532.4	532.4	529.3
62.5°	471.6	468.0	466.2	467.1	464.0
65°	400.0	399.1	399.1	400.4	397.8
67.5°	330.7	332.4	332.0	336.4	332.9
70°	265.3	268.4	269.8	274.2	268.9
72.5°	208.9	209.3	211.1	212.4	209.8
75°	159.1	157.8	161.8	160.9	159.1
77.5°	115.1	114.2	115.6	116.4	114.2
80°	78.2	77.3	77.8	79.1	77.3
82.5°	49.3	48.4	48.4	49.8	49.3
85°	26.2	25.8	25.8	26.7	27.6
87.5°	9.3	8.9	9.3	9.3	9.3
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)