

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: P506595

Luminaire Tested: **24PD-35-PL1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-35-PL1-L850
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

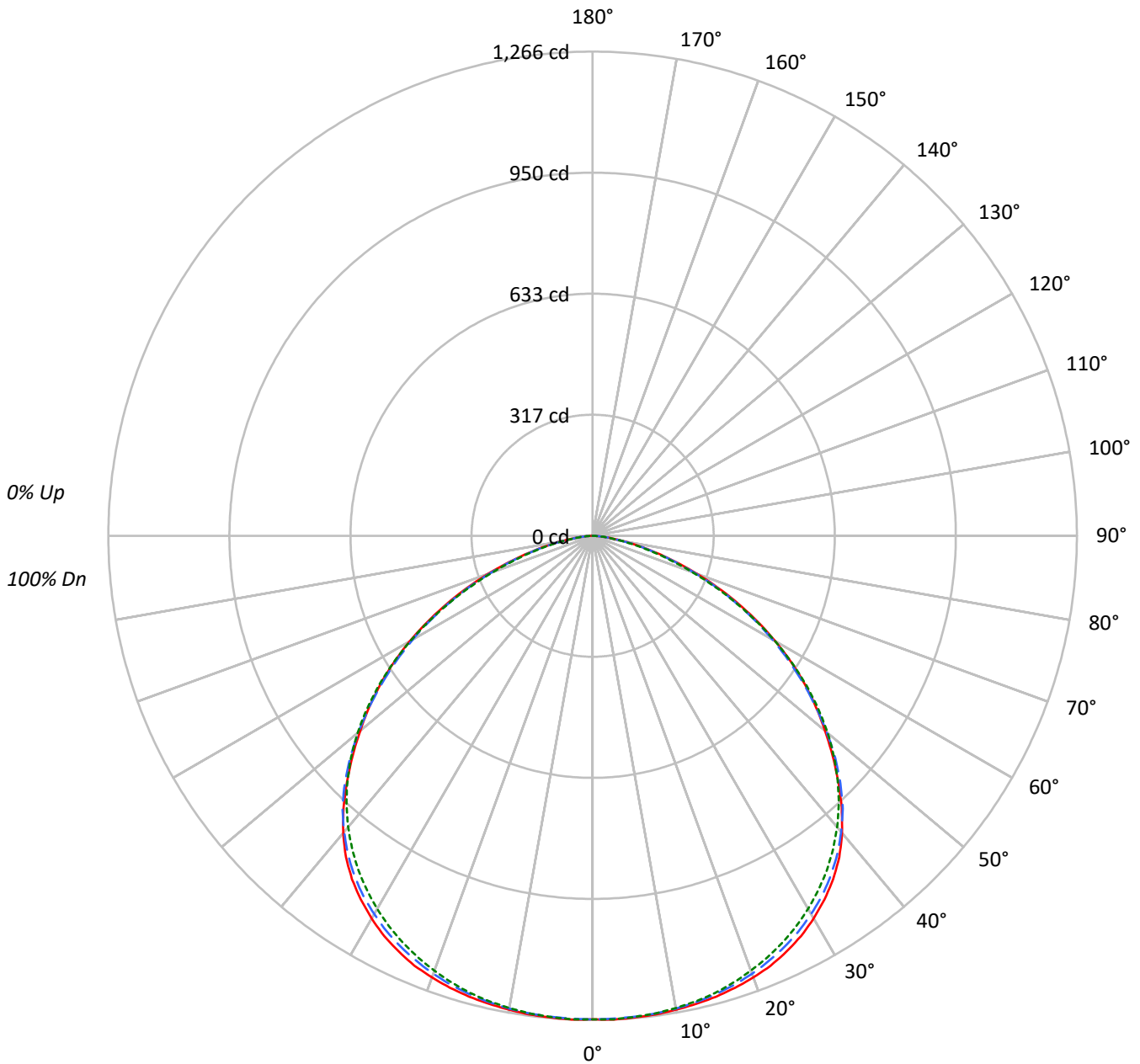
Lumens per Lamp: N/A
Luminaire Lumens: 3627.3 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.3
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1701	1701	1701
5°	1708	1705	1705
10°	1720	1715	1713
15°	1738	1729	1724
20°	1759	1745	1733
25°	1781	1761	1743
30°	1795	1775	1750
35°	1801	1783	1753
40°	1782	1775	1747
45°	1727	1743	1724
50°	1660	1673	1679
55°	1589	1576	1600
60°	1486	1462	1481
65°	1337	1311	1309
70°	1138	1113	1087
75°	896	876	841
80°	641	622	587
85°	380	374	347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.3	3.3
10°-20°	351.0	9.7
20°-30°	547.1	15.1
30°-40°	677.0	18.7
40°-50°	701.8	19.3
50°-60°	604.3	16.7
60°-70°	410.0	11.3
70°-80°	182.9	5.0
80°-90°	32.9	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°	1018.4	28.1
0°-40°	1695.4	46.7
0°-60°	3001.5	82.7
0°-90°	3627.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3627.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1264	1263	1262	1262	1263	121
15°	1248	1244	1241	1238	1237	353
25°	1200	1195	1186	1178	1174	553
35°	1096	1093	1085	1074	1067	684
45°	908	912	916	913	906	700
55°	677	678	672	680	682	604
65°	420	422	412	407	411	416
75°	172	174	169	165	162	187
85°	25	25	24	24	22	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1264.4	1264.4	1264.4	1264.4	1264.4
2.5°	1266.2	1263.4	1263.7	1264.1	1265.5
5°	1264.4	1262.7	1262.4	1262.4	1262.7
7.5°	1262.4	1260.3	1259.9	1259.6	1259.6
10°	1258.6	1256.5	1255.1	1254.4	1254.0
12.5°	1253.4	1250.9	1249.2	1247.8	1246.8
15°	1247.5	1244.0	1241.2	1238.5	1237.4
17.5°	1239.2	1236.0	1231.2	1226.7	1225.0
20°	1228.8	1225.7	1218.7	1212.5	1210.1
22.5°	1216.7	1212.2	1203.5	1196.6	1193.1
25°	1199.7	1195.2	1186.2	1177.5	1174.1
27.5°	1180.0	1175.8	1166.1	1155.7	1151.6
30°	1155.4	1152.6	1142.2	1130.8	1126.3
32.5°	1128.0	1125.3	1116.2	1103.4	1098.2
35°	1096.5	1093.4	1085.4	1073.7	1067.4
37.5°	1059.1	1058.1	1050.5	1038.3	1032.5
40°	1014.5	1016.5	1010.6	1000.3	994.4
42.5°	963.6	968.1	968.1	958.4	952.5
45°	907.8	912.0	916.1	912.7	906.1
47.5°	850.7	855.2	860.0	861.4	855.9
50°	793.2	796.0	799.1	805.3	801.9
52.5°	736.1	737.1	736.1	744.4	743.7
55°	677.2	677.6	672.0	679.7	682.1
57.5°	615.9	617.0	608.0	612.1	617.3
60°	552.2	553.3	543.2	543.9	550.2
62.5°	486.5	487.8	477.8	475.4	480.9
65°	420.0	421.7	411.7	407.2	411.3
67.5°	353.8	355.9	346.6	341.0	342.1
70°	289.4	291.2	282.9	277.7	276.3
72.5°	228.2	229.9	223.3	218.1	215.7
75°	172.4	173.8	168.6	164.8	161.7
77.5°	124.0	125.0	120.8	118.1	114.9
80°	82.7	83.1	80.3	78.6	75.8
82.5°	49.5	49.9	48.1	47.4	45.4
85°	24.6	24.9	24.2	24.2	22.5
87.5°	8.7	8.3	8.7	8.7	7.6
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)