

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: P506592

Luminaire Tested: **24PD-35-PL1-L830**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506592
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-L830
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

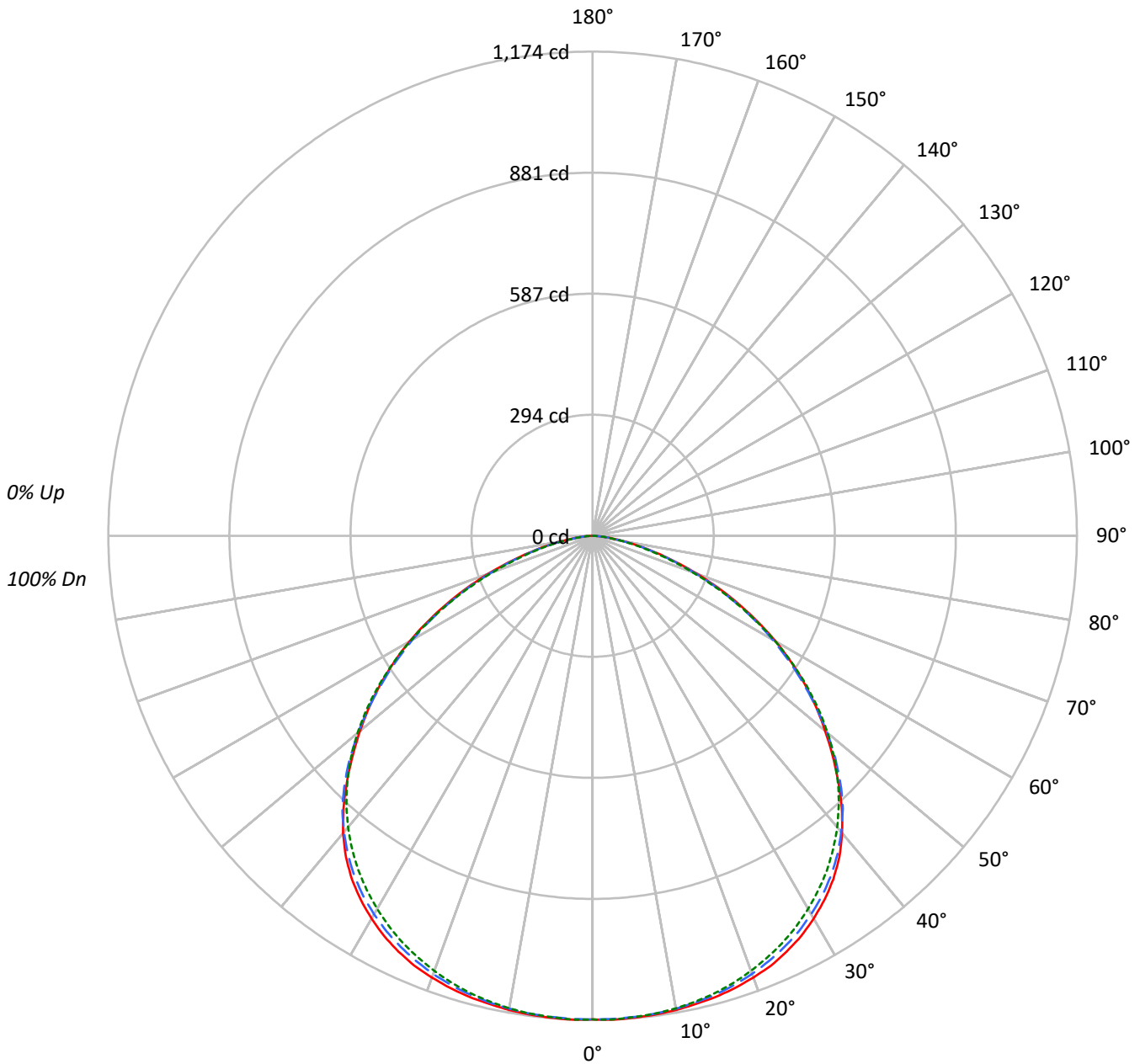
Lumens per Lamp: N/A
Luminaire Lumens: 3364.7 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1578	1578	1578
5°	1584	1582	1582
10°	1595	1591	1589
15°	1612	1604	1599
20°	1632	1619	1607
25°	1652	1633	1617
30°	1665	1646	1623
35°	1671	1654	1626
40°	1653	1647	1620
45°	1602	1617	1599
50°	1540	1552	1557
55°	1474	1462	1484
60°	1379	1356	1373
65°	1240	1216	1215
70°	1056	1032	1008
75°	831	813	780
80°	595	577	545
85°	352	347	323



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	3.3
10°-20°	325.6	9.7
20°-30°	507.5	15.1
30°-40°	628.0	18.7
40°-50°	651.0	19.3
50°-60°	560.5	16.7
60°-70°	380.3	11.3
70°-80°	169.7	5.0
80°-90°	30.5	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°	944.7	28.1
0°-40°	1572.6	46.7
0°-60°	2784.2	82.7
0°-90°	3364.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3364.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1173	1173	1173	1173	1173	
5°	1173	1171	1171	1171	1171	112
15°	1157	1154	1151	1149	1148	327
25°	1113	1109	1100	1092	1089	513
35°	1017	1014	1007	996	990	635
45°	842	846	850	847	840	649
55°	628	628	623	630	633	560
65°	390	391	382	378	382	385
75°	160	161	156	153	150	174
85°	23	23	22	22	21	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1172.9	1172.9	1172.9	1172.9	1172.9
2.5°	1174.5	1171.9	1172.3	1172.6	1173.9
5°	1172.9	1171.3	1171.0	1171.0	1171.3
7.5°	1171.0	1169.0	1168.7	1168.4	1168.4
10°	1167.4	1165.5	1164.2	1163.6	1163.3
12.5°	1162.6	1160.4	1158.8	1157.5	1156.5
15°	1157.2	1153.9	1151.4	1148.8	1147.8
17.5°	1149.5	1146.6	1142.1	1137.9	1136.3
20°	1139.8	1136.9	1130.5	1124.7	1122.5
22.5°	1128.6	1124.4	1116.4	1109.9	1106.7
25°	1112.8	1108.7	1100.3	1092.3	1089.1
27.5°	1094.5	1090.7	1081.7	1072.1	1068.2
30°	1071.7	1069.2	1059.5	1048.9	1044.8
32.5°	1046.4	1043.8	1035.4	1023.6	1018.7
35°	1017.1	1014.2	1006.9	995.9	990.2
37.5°	982.4	981.5	974.4	963.2	957.7
40°	941.0	942.9	937.5	927.8	922.4
42.5°	893.8	898.0	898.0	889.0	883.5
45°	842.1	846.0	849.8	846.6	840.5
47.5°	789.1	793.3	797.8	799.1	793.9
50°	735.8	738.4	741.3	747.0	743.8
52.5°	682.8	683.8	682.8	690.5	689.9
55°	628.2	628.5	623.4	630.4	632.7
57.5°	571.4	572.3	564.0	567.8	572.6
60°	512.3	513.2	503.9	504.6	510.3
62.5°	451.2	452.5	443.2	441.0	446.1
65°	389.6	391.2	381.9	377.7	381.5
67.5°	328.2	330.2	321.5	316.3	317.3
70°	268.5	270.1	262.4	257.6	256.3
72.5°	211.6	213.3	207.2	202.3	200.1
75°	159.9	161.2	156.4	152.9	150.0
77.5°	115.0	115.9	112.1	109.5	106.6
80°	76.8	77.1	74.5	72.9	70.3
82.5°	45.9	46.2	44.6	44.0	42.1
85°	22.8	23.1	22.5	22.5	20.9
87.5°	8.0	7.7	8.0	8.0	7.1
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)