

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: P506593

Luminaire Tested: **24PD-35-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506593
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-L835
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

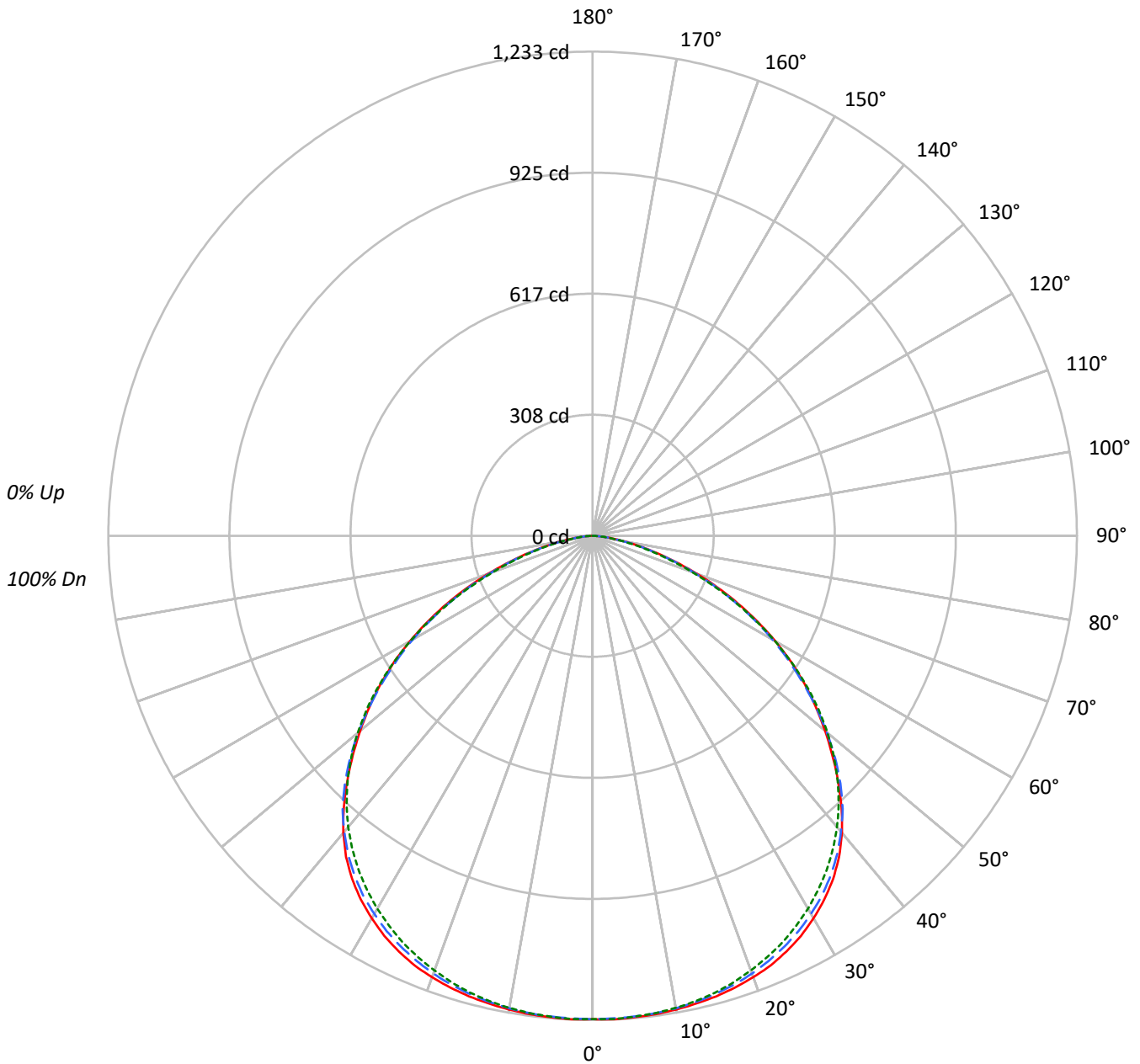
Lumens per Lamp: N/A
Luminaire Lumens: 3531.1 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	1656	1656	1656
5°	1662	1660	1660
10°	1674	1669	1668
15°	1692	1683	1678
20°	1713	1699	1687
25°	1734	1714	1697
30°	1747	1727	1703
35°	1753	1736	1707
40°	1734	1728	1700
45°	1682	1697	1678
50°	1616	1628	1634
55°	1547	1535	1558
60°	1447	1423	1441
65°	1301	1276	1275
70°	1109	1083	1058
75°	872	853	818
80°	625	606	572
85°	369	364	338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	3.3
10°-20°	341.7	9.7
20°-30°	532.6	15.1
30°-40°	659.0	18.7
40°-50°	683.2	19.3
50°-60°	588.2	16.7
60°-70°	399.1	11.3
70°-80°	178.1	5.0
80°-90°	32.0	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°	991.4	28.1
0°-40°	1650.4	46.7
0°-60°	2921.8	82.7
0°-90°	3531.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3531.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1231	1231	1231	1231	1231	
5°	1231	1229	1229	1229	1229	117
15°	1214	1211	1208	1206	1205	343
25°	1168	1164	1155	1146	1143	538
35°	1067	1064	1057	1045	1039	666
45°	884	888	892	888	882	681
55°	659	660	654	662	664	588
65°	409	410	401	396	400	405
75°	168	169	164	160	157	182
85°	24	24	24	24	22	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1230.9	1230.9	1230.9	1230.9	1230.9
2.5°	1232.6	1229.9	1230.2	1230.6	1231.9
5°	1230.9	1229.2	1228.9	1228.9	1229.2
7.5°	1228.9	1226.9	1226.5	1226.2	1226.2
10°	1225.2	1223.1	1221.8	1221.1	1220.8
12.5°	1220.1	1217.8	1216.1	1214.7	1213.7
15°	1214.4	1211.0	1208.3	1205.6	1204.6
17.5°	1206.3	1203.3	1198.5	1194.2	1192.5
20°	1196.2	1193.1	1186.4	1180.3	1178.0
22.5°	1184.4	1180.0	1171.6	1164.8	1161.5
25°	1167.9	1163.5	1154.7	1146.3	1142.9
27.5°	1148.7	1144.6	1135.2	1125.1	1121.0
30°	1124.7	1122.0	1111.9	1100.8	1096.4
32.5°	1098.1	1095.4	1086.6	1074.2	1069.1
35°	1067.4	1064.4	1056.6	1045.2	1039.1
37.5°	1031.0	1030.0	1022.6	1010.8	1005.1
40°	987.5	989.6	983.8	973.7	968.0
42.5°	938.0	942.4	942.4	932.9	927.2
45°	883.7	887.8	891.8	888.5	882.1
47.5°	828.1	832.5	837.2	838.6	833.2
50°	772.2	774.9	777.9	784.0	780.6
52.5°	716.6	717.6	716.6	724.7	724.0
55°	659.3	659.6	654.2	661.6	664.0
57.5°	599.6	600.6	591.9	595.9	601.0
60°	537.6	538.6	528.8	529.5	535.6
62.5°	473.6	474.9	465.1	462.8	468.2
65°	408.8	410.5	400.7	396.4	400.4
67.5°	344.5	346.5	337.4	332.0	333.0
70°	281.8	283.5	275.4	270.3	269.0
72.5°	222.1	223.8	217.4	212.3	210.0
75°	167.8	169.2	164.1	160.4	157.4
77.5°	120.7	121.7	117.6	114.9	111.9
80°	80.6	80.9	78.2	76.5	73.8
82.5°	48.2	48.5	46.8	46.2	44.2
85°	23.9	24.3	23.6	23.6	21.9
87.5°	8.4	8.1	8.4	8.4	7.4
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)