

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: P506652

Luminaire Tested: **24PD-45-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506652
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-45-PL1-L935
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

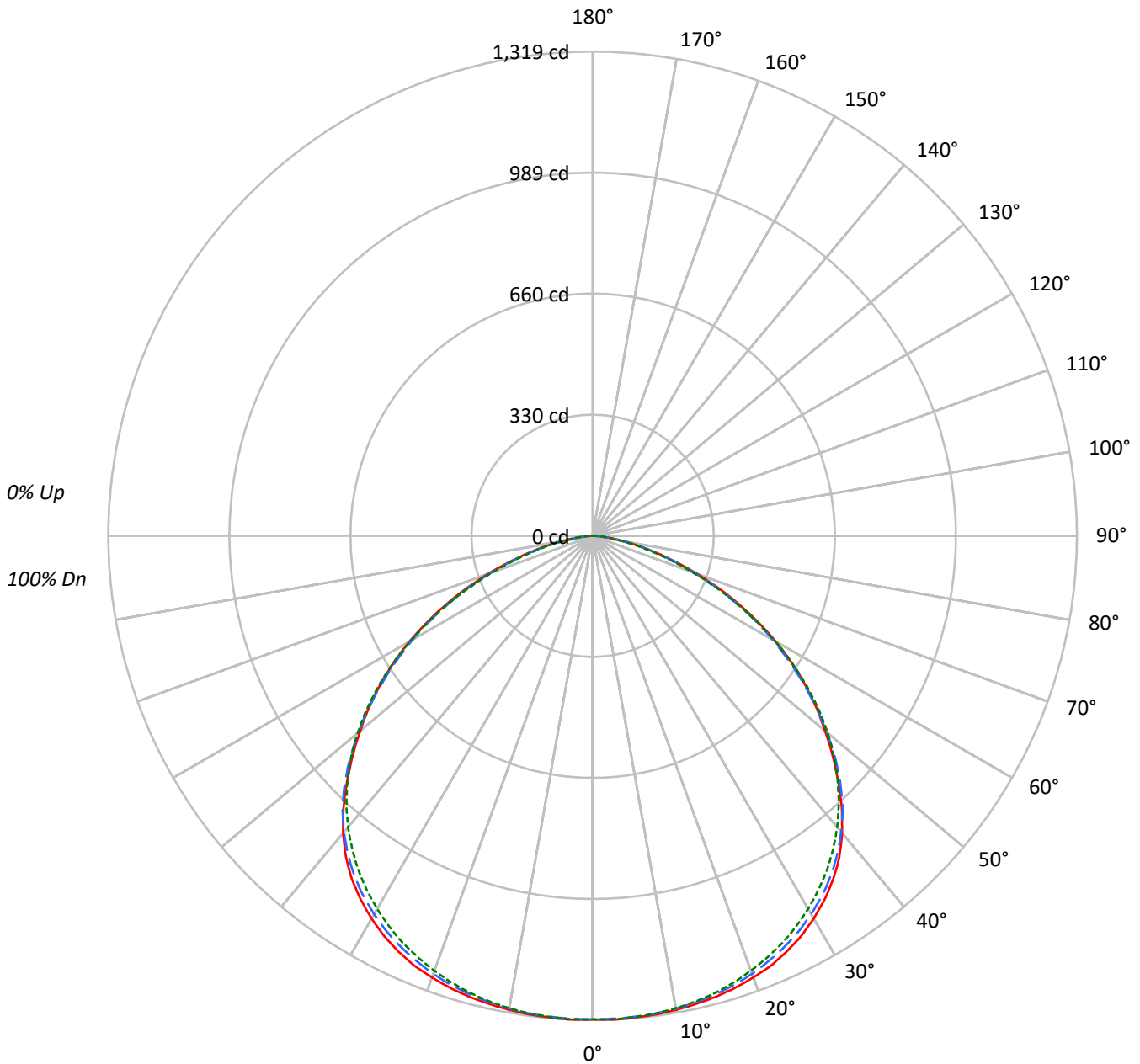
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3779.7 lumens
Efficiency: N/A
Efficacy: 114.5 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): 33
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					
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								
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°	1773	1773	1773
5°	1779	1777	1777
10°	1792	1787	1785
15°	1811	1802	1796
20°	1833	1818	1805
25°	1856	1835	1816
30°	1870	1849	1823
35°	1877	1858	1827
40°	1857	1850	1820
45°	1800	1816	1796
50°	1730	1743	1749
55°	1655	1643	1667
60°	1548	1523	1543
65°	1393	1366	1365
70°	1186	1160	1133
75°	934	913	876
80°	668	649	612
85°	395	391	363



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	3.3
10°-20°	365.7	9.7
20°-30°	570.1	15.1
30°-40°	705.4	18.7
40°-50°	731.3	19.3
50°-60°	629.6	16.7
60°-70°	427.2	11.3
70°-80°	190.6	5.0
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°	1061.2	28.1
0°-40°	1766.6	46.7
0°-60°	3127.5	82.7
0°-90°	3779.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3779.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1318	1318	1318	1318	1318	
5°	1318	1316	1315	1315	1316	126
15°	1300	1296	1293	1290	1289	368
25°	1250	1245	1236	1227	1223	576
35°	1143	1139	1131	1119	1112	713
45°	946	950	955	951	944	729
55°	706	706	700	708	711	629
65°	438	439	429	424	429	433
75°	180	181	176	172	168	195
85°	26	26	25	25	24	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1317.5	1317.5	1317.5	1317.5	1317.5
2.5°	1319.3	1316.5	1316.8	1317.2	1318.6
5°	1317.5	1315.7	1315.4	1315.4	1315.7
7.5°	1315.4	1313.2	1312.9	1312.5	1312.5
10°	1311.4	1309.2	1307.8	1307.1	1306.7
12.5°	1306.0	1303.5	1301.7	1300.2	1299.1
15°	1299.9	1296.3	1293.4	1290.5	1289.4
17.5°	1291.2	1288.0	1282.9	1278.2	1276.4
20°	1280.4	1277.1	1269.9	1263.4	1260.9
22.5°	1267.8	1263.1	1254.0	1246.8	1243.2
25°	1250.1	1245.4	1236.0	1227.0	1223.4
27.5°	1229.5	1225.2	1215.1	1204.3	1199.9
30°	1203.9	1201.0	1190.2	1178.3	1173.6
32.5°	1175.4	1172.5	1163.1	1149.8	1144.4
35°	1142.6	1139.3	1131.0	1118.8	1112.3
37.5°	1103.6	1102.5	1094.6	1082.0	1075.8
40°	1057.1	1059.2	1053.1	1042.3	1036.1
42.5°	1004.0	1008.7	1008.7	998.6	992.5
45°	945.9	950.3	954.6	951.0	944.1
47.5°	886.4	891.1	896.2	897.6	891.8
50°	826.5	829.4	832.7	839.2	835.6
52.5°	767.0	768.1	767.0	775.7	774.9
55°	705.7	706.0	700.3	708.2	710.7
57.5°	641.8	642.9	633.5	637.8	643.3
60°	575.4	576.5	566.1	566.8	573.3
62.5°	506.9	508.3	497.9	495.3	501.1
65°	437.6	439.4	429.0	424.3	428.6
67.5°	368.7	370.9	361.1	355.4	356.4
70°	301.6	303.4	294.8	289.3	287.9
72.5°	237.7	239.6	232.7	227.3	224.8
75°	179.7	181.1	175.7	171.7	168.5
77.5°	129.2	130.2	125.9	123.0	119.8
80°	86.2	86.6	83.7	81.9	79.0
82.5°	51.6	52.0	50.1	49.4	47.3
85°	25.6	26.0	25.3	25.3	23.5
87.5°	9.0	8.7	9.0	9.0	7.9
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)