

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: P506706

Luminaire Tested: **24PD-55-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506706
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-55-PL1-L935
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

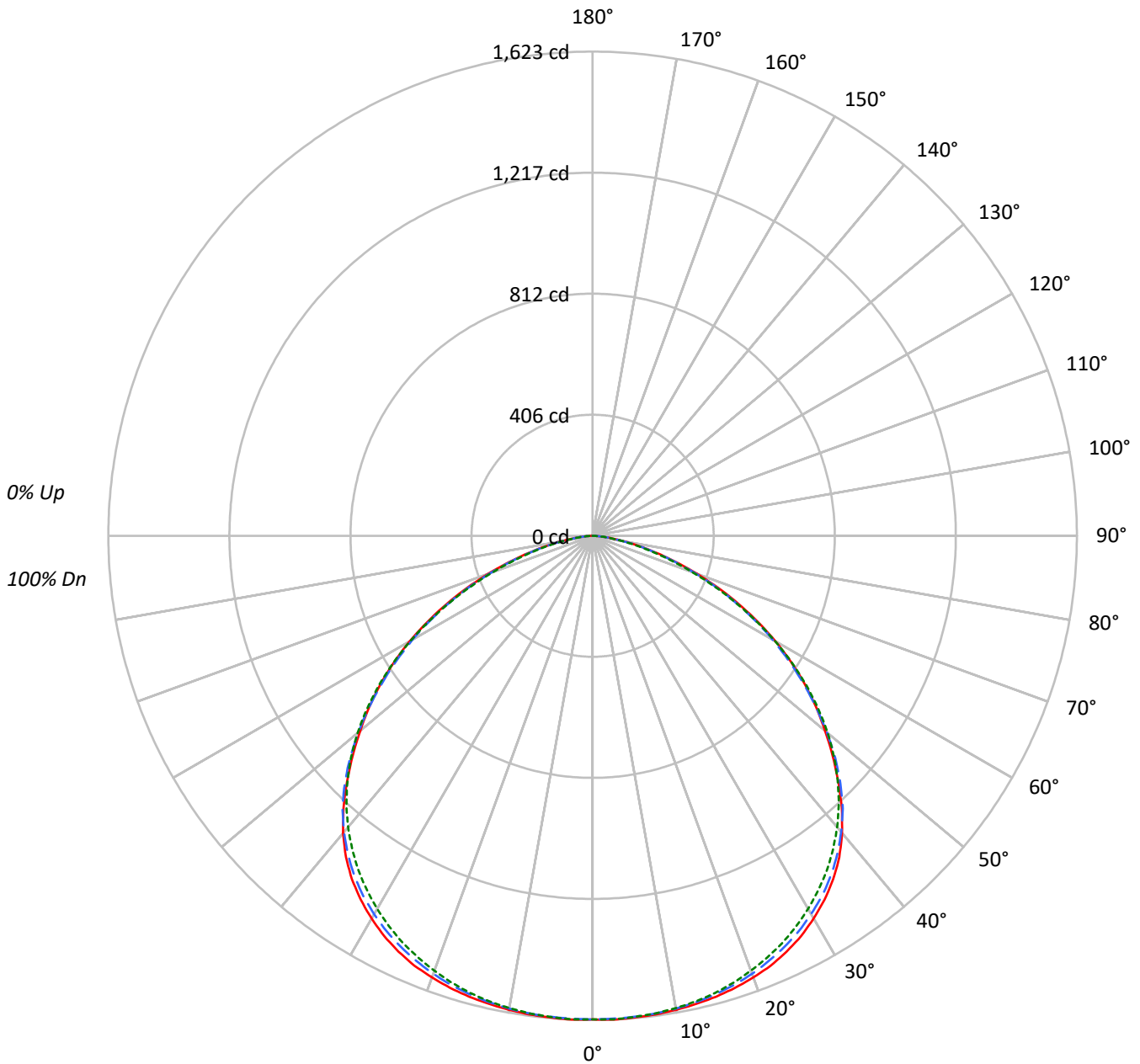
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4650.7 lumens
Efficiency: N/A
Efficacy: 112.9 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): 41.2
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°	2181	2181	2181
5°	2190	2186	2187
10°	2205	2199	2197
15°	2228	2217	2210
20°	2256	2237	2221
25°	2284	2258	2235
30°	2301	2275	2243
35°	2309	2286	2248
40°	2285	2276	2239
45°	2215	2235	2210
50°	2129	2144	2152
55°	2037	2021	2051
60°	1905	1874	1898
65°	1714	1680	1679
70°	1460	1427	1393
75°	1149	1124	1078
80°	822	798	753
85°	486	480	446



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	3.3
10°-20°	450.0	9.7
20°-30°	701.4	15.1
30°-40°	868.0	18.7
40°-50°	899.8	19.3
50°-60°	774.7	16.7
60°-70°	525.7	11.3
70°-80°	234.6	5.0
80°-90°	42.2	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°	1305.7	28.1
0°-40°	2173.7	46.7
0°-60°	3848.2	82.7
0°-90°	4650.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4650.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1621	1621	1621	1621	1621	
5°	1621	1619	1618	1618	1619	155
15°	1599	1595	1591	1588	1586	452
25°	1538	1532	1521	1510	1505	709
35°	1406	1402	1392	1377	1369	877
45°	1164	1169	1175	1170	1162	897
55°	868	869	862	871	874	774
65°	538	541	528	522	527	533
75°	221	223	216	211	207	240
85°	32	32	31	31	29	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1621.2	1621.2	1621.2	1621.2	1621.2
2.5°	1623.4	1619.8	1620.3	1620.7	1622.5
5°	1621.2	1618.9	1618.5	1618.5	1618.9
7.5°	1618.5	1615.8	1615.4	1614.9	1614.9
10°	1613.6	1611.0	1609.2	1608.3	1607.8
12.5°	1607.0	1603.8	1601.6	1599.9	1598.5
15°	1599.4	1595.0	1591.4	1587.9	1586.5
17.5°	1588.8	1584.8	1578.5	1572.8	1570.6
20°	1575.4	1571.4	1562.6	1554.6	1551.5
22.5°	1559.9	1554.1	1543.0	1534.2	1529.7
25°	1538.2	1532.4	1520.8	1509.7	1505.3
27.5°	1512.8	1507.5	1495.1	1481.8	1476.4
30°	1481.3	1477.8	1464.5	1449.8	1444.0
32.5°	1446.3	1442.7	1431.2	1414.7	1408.1
35°	1405.9	1401.9	1391.7	1376.6	1368.6
37.5°	1357.9	1356.6	1346.8	1331.3	1323.7
40°	1300.7	1303.3	1295.8	1282.5	1274.9
42.5°	1235.4	1241.2	1241.2	1228.7	1221.2
45°	1163.9	1169.3	1174.6	1170.1	1161.7
47.5°	1090.7	1096.5	1102.7	1104.4	1097.3
50°	1017.0	1020.6	1024.5	1032.5	1028.1
52.5°	943.8	945.1	943.8	954.4	953.5
55°	868.3	868.7	861.6	871.4	874.5
57.5°	789.7	791.0	779.5	784.8	791.5
60°	708.0	709.4	696.5	697.4	705.4
62.5°	623.7	625.5	612.6	609.5	616.6
65°	538.5	540.7	527.8	522.0	527.4
67.5°	453.7	456.3	444.4	437.3	438.6
70°	371.1	373.3	362.7	356.0	354.2
72.5°	292.5	294.8	286.3	279.7	276.6
75°	221.1	222.8	216.2	211.3	207.3
77.5°	158.9	160.3	154.9	151.4	147.4
80°	106.1	106.5	103.0	100.8	97.2
82.5°	63.5	63.9	61.7	60.8	58.2
85°	31.5	32.0	31.1	31.1	28.9
87.5°	11.1	10.7	11.1	11.1	9.8
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)