

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: P506705

Luminaire Tested: **24PD-55-PL1-L930**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506705  
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-L930  
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI, 3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

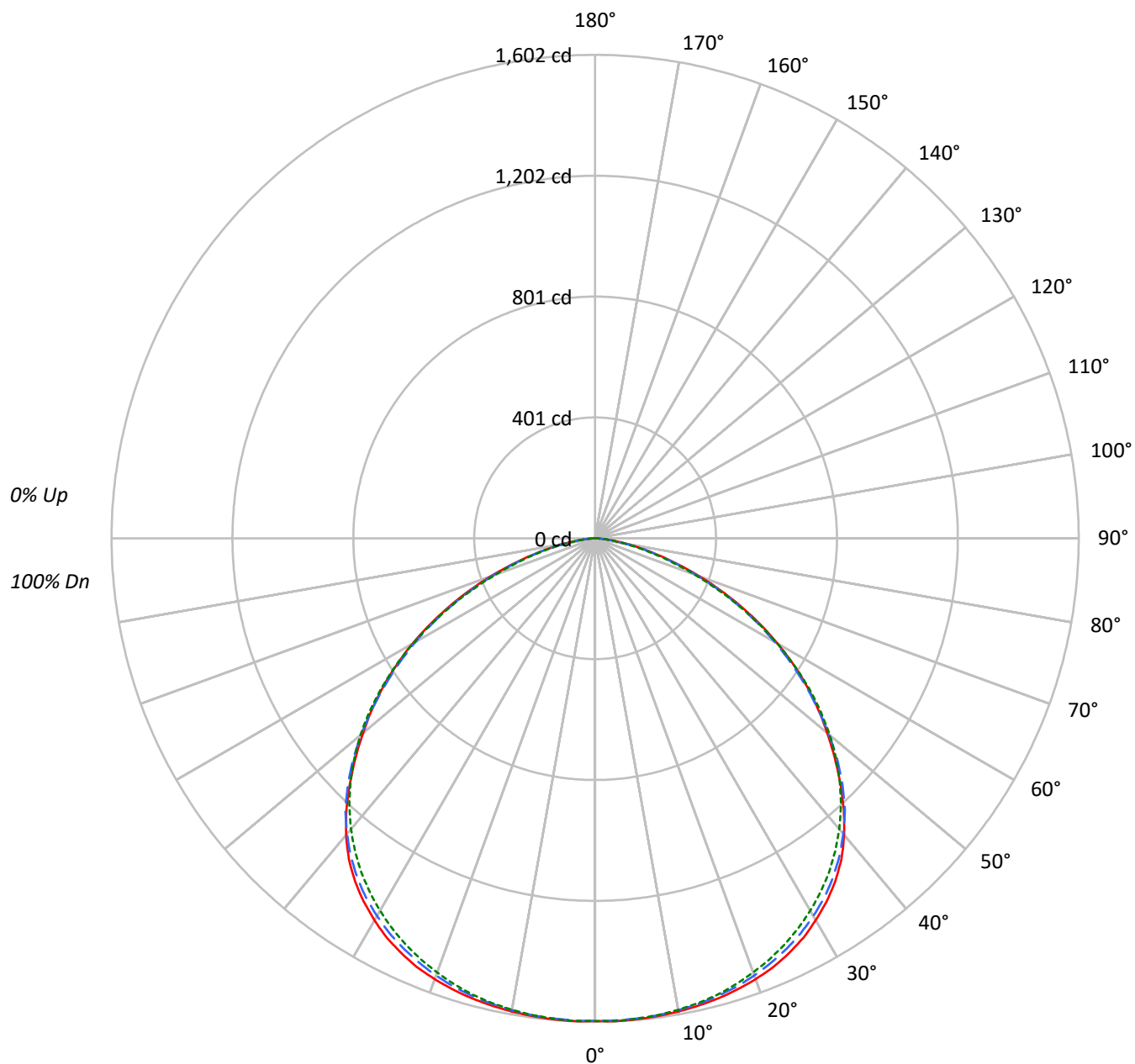
Lumens per Lamp: N/A  
Luminaire Lumens: 4589.5 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 41.2  
Input Voltage (V): NR  
Input Current (Ain): 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	2153	2153	2153
5°	2161	2157	2158
10°	2176	2170	2168
15°	2199	2188	2181
20°	2226	2208	2192
25°	2253	2228	2205
30°	2271	2245	2214
35°	2279	2256	2218
40°	2255	2246	2210
45°	2186	2206	2181
50°	2101	2116	2124
55°	2010	1995	2024
60°	1880	1850	1873
65°	1692	1658	1657
70°	1441	1408	1375
75°	1134	1109	1064
80°	811	787	743
85°	480	474	440



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.2	3.3
10°-20°	444.1	9.7
20°-30°	692.2	15.1
30°-40°	856.6	18.7
40°-50°	888.0	19.3
50°-60°	764.6	16.7
60°-70°	518.7	11.3
70°-80°	231.5	5.0
80°-90°	41.6	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°	1288.5	28.1
0°-40°	2145.1	46.7
0°-60°	3797.6	82.7
0°-90°	4589.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4589.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1600	1600	1600	1600	1600	
5°	1600	1598	1597	1597	1598	152
15°	1578	1574	1570	1567	1566	446
25°	1518	1512	1501	1490	1486	700
35°	1387	1383	1373	1358	1351	866
45°	1149	1154	1159	1155	1146	885
55°	857	857	850	860	863	764
65°	531	534	521	515	520	526
75°	218	220	213	208	205	237
85°	31	32	31	31	28	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1599.8	1599.8	1599.8	1599.8	1599.8
2.5°	1602.0	1598.5	1599.0	1599.4	1601.2
5°	1599.8	1597.7	1597.2	1597.2	1597.7
7.5°	1597.2	1594.6	1594.2	1593.7	1593.7
10°	1592.4	1589.8	1588.0	1587.1	1586.7
12.5°	1585.8	1582.8	1580.6	1578.8	1577.5
15°	1578.4	1574.0	1570.5	1567.0	1565.7
17.5°	1567.9	1563.9	1557.8	1552.1	1549.9
20°	1554.7	1550.8	1542.0	1534.1	1531.1
22.5°	1539.4	1533.7	1522.7	1514.0	1509.6
25°	1517.9	1512.2	1500.8	1489.9	1485.5
27.5°	1493.0	1487.7	1475.4	1462.3	1457.0
30°	1461.9	1458.4	1445.2	1430.8	1425.1
32.5°	1427.2	1423.7	1412.4	1396.1	1389.6
35°	1387.4	1383.4	1373.4	1358.5	1350.6
37.5°	1340.1	1338.8	1329.1	1313.8	1306.3
40°	1283.6	1286.2	1278.7	1265.6	1258.2
42.5°	1219.2	1224.9	1224.9	1212.6	1205.1
45°	1148.6	1153.9	1159.1	1154.8	1146.4
47.5°	1076.3	1082.0	1088.2	1089.9	1082.9
50°	1003.6	1007.1	1011.1	1019.0	1014.6
52.5°	931.3	932.7	931.3	941.9	941.0
55°	856.9	857.3	850.3	859.9	863.0
57.5°	779.3	780.6	769.3	774.5	781.1
60°	698.7	700.0	687.3	688.2	696.1
62.5°	615.5	617.2	604.5	601.5	608.5
65°	531.4	533.6	520.9	515.2	520.4
67.5°	447.7	450.3	438.5	431.5	432.8
70°	366.2	368.4	357.9	351.3	349.6
72.5°	288.7	290.9	282.6	276.0	272.9
75°	218.2	219.9	213.3	208.5	204.6
77.5°	156.8	158.1	152.9	149.4	145.4
80°	104.7	105.1	101.6	99.4	95.9
82.5°	62.6	63.1	60.9	60.0	57.4
85°	31.1	31.5	30.7	30.7	28.5
87.5°	11.0	10.5	11.0	11.0	9.6
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)