

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: P506661

Luminaire Tested: **24PD-45-PR1-L935**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506661  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-45-PR1-L935  
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

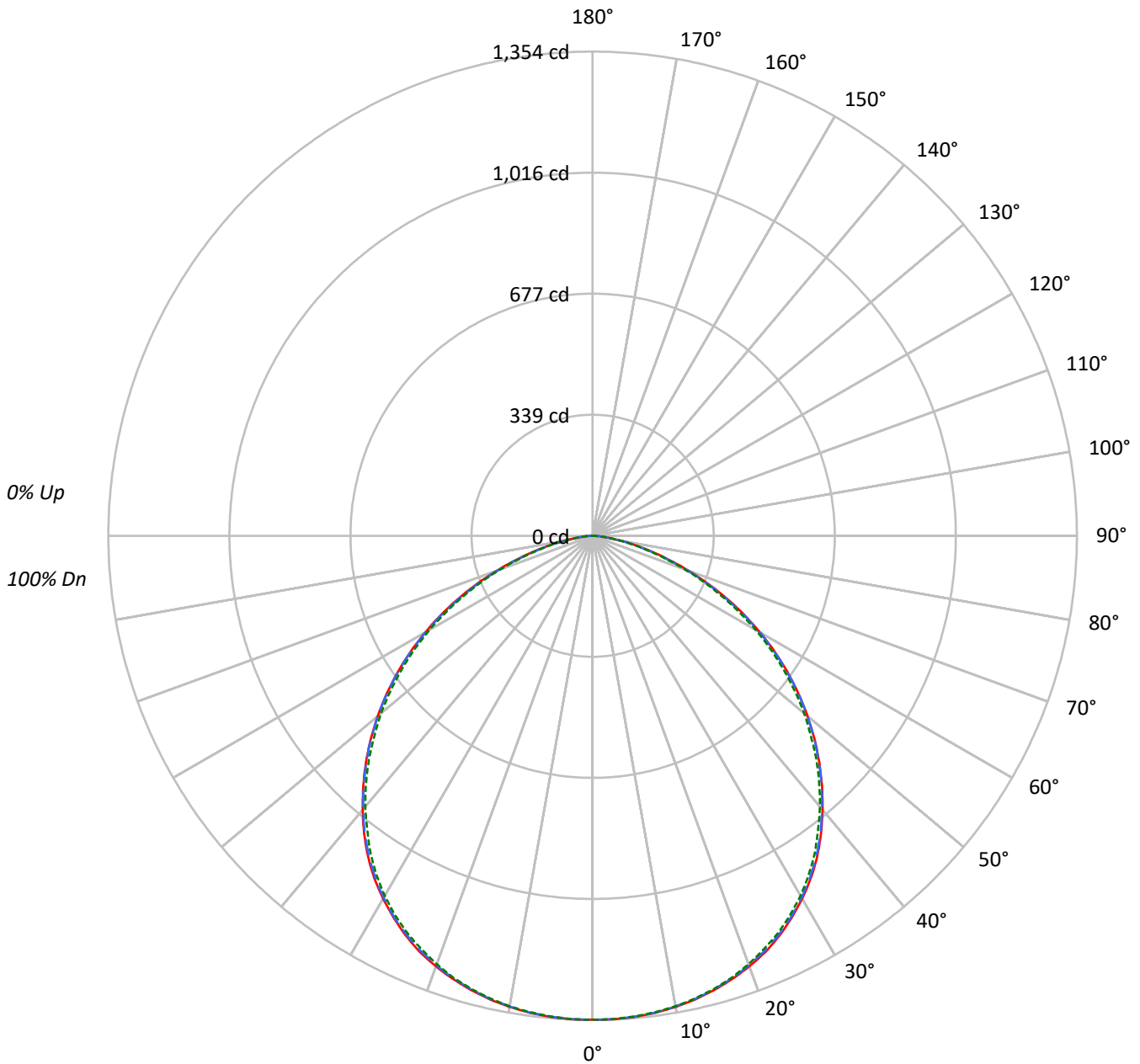
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3643.0 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
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<sub>in</sub>): 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1821	1821	1821
5°	1824	1823	1822
10°	1828	1826	1825
15°	1831	1829	1827
20°	1835	1830	1825
25°	1833	1828	1820
30°	1821	1816	1806
35°	1798	1793	1778
40°	1757	1753	1737
45°	1705	1702	1683
50°	1641	1641	1616
55°	1561	1558	1528
60°	1455	1449	1416
65°	1311	1295	1265
70°	1119	1103	1075
75°	885	865	845
80°	628	612	593
85°	378	367	357



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.4	3.5
10°-20°	370.8	10.2
20°-30°	566.9	15.6
30°-40°	680.7	18.7
40°-50°	687.9	18.9
50°-60°	591.1	16.2
60°-70°	403.2	11.1
70°-80°	181.3	5.0
80°-90°	32.6	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°	1066.1	29.3
0°-40°	1746.8	48.0
0°-60°	3025.9	83.1
0°-90°	3643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3643.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1353	1353	1353	1353	1353	
5°	1350	1350	1350	1349	1349	129
15°	1315	1314	1313	1312	1312	371
25°	1235	1234	1231	1227	1226	569
35°	1095	1095	1091	1085	1083	684
45°	896	898	895	888	884	691
55°	665	668	664	658	651	594
65°	412	414	407	404	397	407
75°	170	172	166	165	162	184
85°	24	25	24	24	23	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1353.2	1353.2	1353.2	1353.2	1353.2
2.5°	1353.5	1353.2	1352.8	1352.1	1353.2
5°	1350.4	1350.0	1349.7	1349.0	1349.0
7.5°	1345.5	1344.8	1344.8	1343.7	1343.4
10°	1337.8	1337.4	1336.4	1336.4	1336.0
12.5°	1328.0	1327.3	1326.3	1325.9	1325.2
15°	1314.7	1314.4	1313.0	1311.9	1311.6
17.5°	1299.7	1298.7	1297.6	1295.2	1295.2
20°	1281.5	1280.8	1278.4	1275.9	1274.5
22.5°	1260.6	1259.2	1256.4	1253.9	1251.1
25°	1234.7	1234.4	1231.2	1227.0	1226.0
27.5°	1204.6	1205.3	1202.2	1198.0	1195.9
30°	1171.8	1173.2	1168.7	1163.4	1162.4
32.5°	1135.8	1136.1	1132.3	1126.7	1124.6
35°	1094.9	1094.9	1091.4	1084.8	1082.7
37.5°	1049.5	1049.1	1047.0	1039.3	1035.5
40°	1000.2	1001.9	997.8	990.8	989.0
42.5°	949.2	951.3	947.4	941.5	937.6
45°	896.1	898.5	894.7	888.4	884.5
47.5°	841.2	842.9	840.1	832.1	826.9
50°	784.2	787.7	783.9	775.5	772.0
52.5°	725.5	729.4	724.8	718.5	711.9
55°	665.4	667.9	664.0	658.1	651.4
57.5°	603.5	608.4	602.1	595.2	589.6
60°	540.6	544.8	538.5	532.3	526.3
62.5°	476.7	479.5	472.5	468.6	461.7
65°	411.7	413.8	406.8	404.0	397.4
67.5°	347.4	349.1	342.5	338.6	334.8
70°	284.5	285.9	280.3	276.8	273.3
72.5°	225.1	225.4	220.2	219.1	214.9
75°	170.2	171.6	166.4	165.3	162.5
77.5°	122.3	122.7	119.2	118.5	116.0
80°	81.1	81.4	79.0	78.6	76.5
82.5°	48.9	49.3	47.2	47.2	45.8
85°	24.5	24.8	23.8	23.8	23.1
87.5°	8.4	8.7	8.4	8.4	8.0
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)