

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: P506660

Luminaire Tested: **24PD-45-PR1-L930**

Issue Date: 3/26/2021



**Test Information**

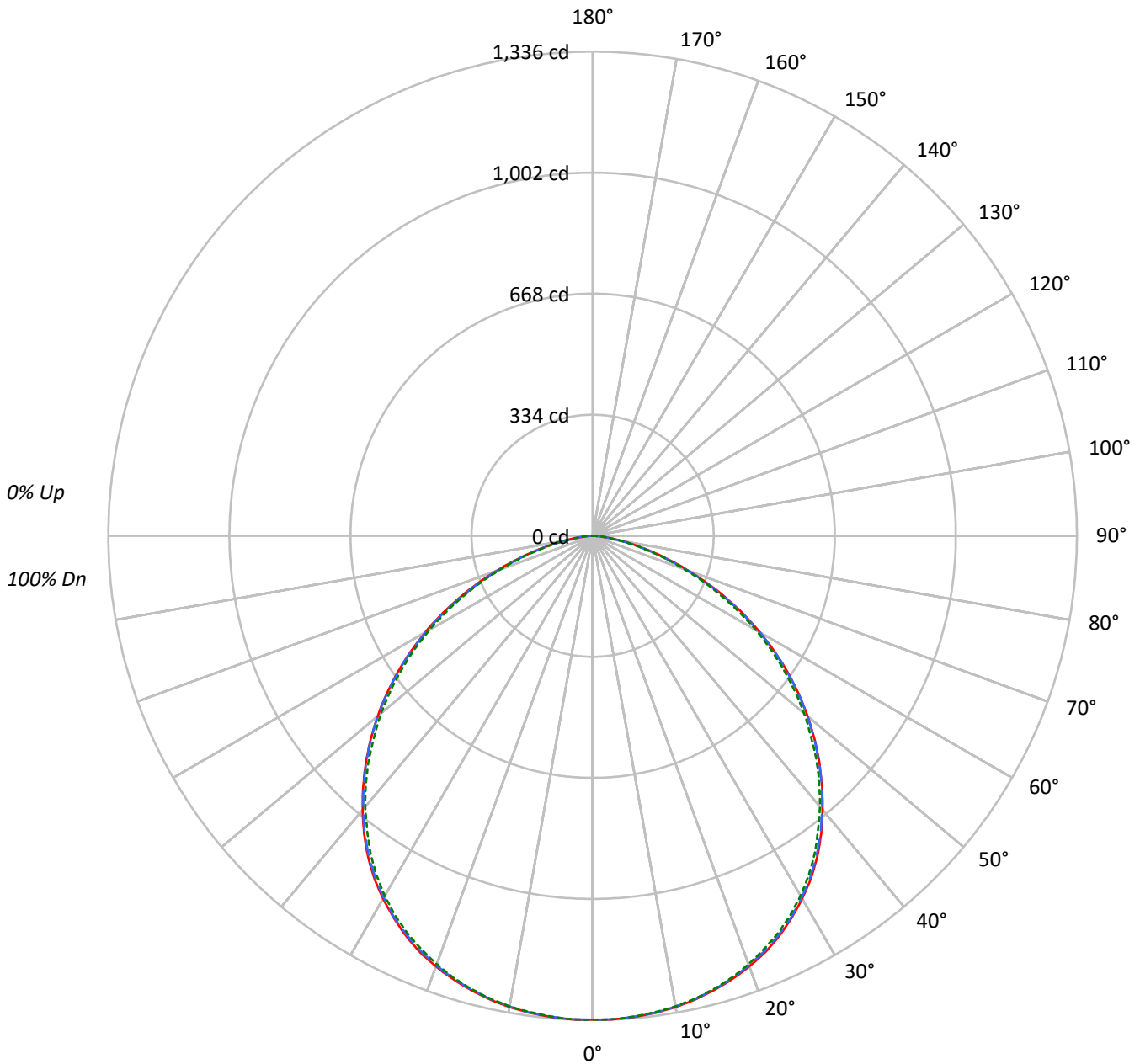
Test Method: LM-79-08  
Report Number: P506660  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-45-PR1-L930  
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3595.0 lumens  
Efficiency: N/A  
Efficacy: 108.9 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				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				100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52				52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46				46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40				40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35				35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32				32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28				28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26				26

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

	0°	45°	90°
0°	1797	1797	1797
5°	1800	1799	1798
10°	1804	1802	1801
15°	1807	1805	1803
20°	1811	1806	1801
25°	1809	1804	1796
30°	1797	1792	1782
35°	1775	1769	1755
40°	1734	1729	1714
45°	1683	1680	1661
50°	1620	1619	1595
55°	1540	1537	1508
60°	1436	1430	1398
65°	1294	1278	1248
70°	1104	1088	1061
75°	873	854	834
80°	620	604	585
85°	372	363	352



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.7	3.5
10°-20°	365.9	10.2
20°-30°	559.4	15.6
30°-40°	671.8	18.7
40°-50°	678.9	18.9
50°-60°	583.3	16.2
60°-70°	397.9	11.1
70°-80°	178.9	5.0
80°-90°	32.2	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°	1052.1	29.3
0°-40°	1723.8	48.0
0°-60°	2986.0	83.1
0°-90°	3595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3595.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1335	1335	1335	1335	1335	
5°	1333	1332	1332	1331	1331	127
15°	1297	1297	1296	1295	1294	366
25°	1218	1218	1215	1211	1210	561
35°	1080	1080	1077	1070	1068	675
45°	884	887	883	877	873	681
55°	657	659	655	649	643	586
65°	406	408	401	399	392	402
75°	168	169	164	163	160	182
85°	24	24	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°	1335.3	1335.3	1335.3	1335.3	1335.3
2.5°	1335.7	1335.3	1335.0	1334.3	1335.3
5°	1332.6	1332.2	1331.9	1331.2	1331.2
7.5°	1327.8	1327.1	1327.1	1326.0	1325.7
10°	1320.2	1319.8	1318.8	1318.8	1318.4
12.5°	1310.5	1309.8	1308.8	1308.4	1307.8
15°	1297.4	1297.1	1295.7	1294.6	1294.3
17.5°	1282.6	1281.5	1280.5	1278.1	1278.1
20°	1264.6	1264.0	1261.5	1259.1	1257.7
22.5°	1244.0	1242.6	1239.8	1237.4	1234.6
25°	1218.4	1218.1	1215.0	1210.8	1209.8
27.5°	1188.8	1189.5	1186.4	1182.2	1180.2
30°	1156.4	1157.7	1153.3	1148.1	1147.0
32.5°	1120.8	1121.2	1117.4	1111.9	1109.8
35°	1080.5	1080.5	1077.0	1070.5	1068.4
37.5°	1035.7	1035.3	1033.2	1025.6	1021.9
40°	987.0	988.7	984.6	977.7	976.0
42.5°	936.7	938.7	934.9	929.1	925.3
45°	884.3	886.7	882.9	876.7	872.9
47.5°	830.1	831.8	829.1	821.1	816.0
50°	773.9	777.3	773.5	765.3	761.8
52.5°	716.0	719.7	715.3	709.1	702.5
55°	656.6	659.1	655.3	649.4	642.8
57.5°	595.6	600.4	594.2	587.3	581.8
60°	533.5	537.7	531.4	525.2	519.4
62.5°	470.4	473.2	466.3	462.5	455.6
65°	406.3	408.3	401.4	398.7	392.1
67.5°	342.8	344.5	338.0	334.2	330.4
70°	280.7	282.1	276.6	273.1	269.7
72.5°	222.1	222.4	217.3	216.2	212.1
75°	168.0	169.3	164.2	163.1	160.4
77.5°	120.7	121.1	117.6	116.9	114.5
80°	80.0	80.4	77.9	77.6	75.5
82.5°	48.3	48.6	46.6	46.6	45.2
85°	24.1	24.5	23.5	23.5	22.8
87.5°	8.3	8.6	8.3	8.3	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)