

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: P506668

Luminaire Tested: **24PD-45-PW1-L927**

Issue Date: 3/26/2021

**Test Information**

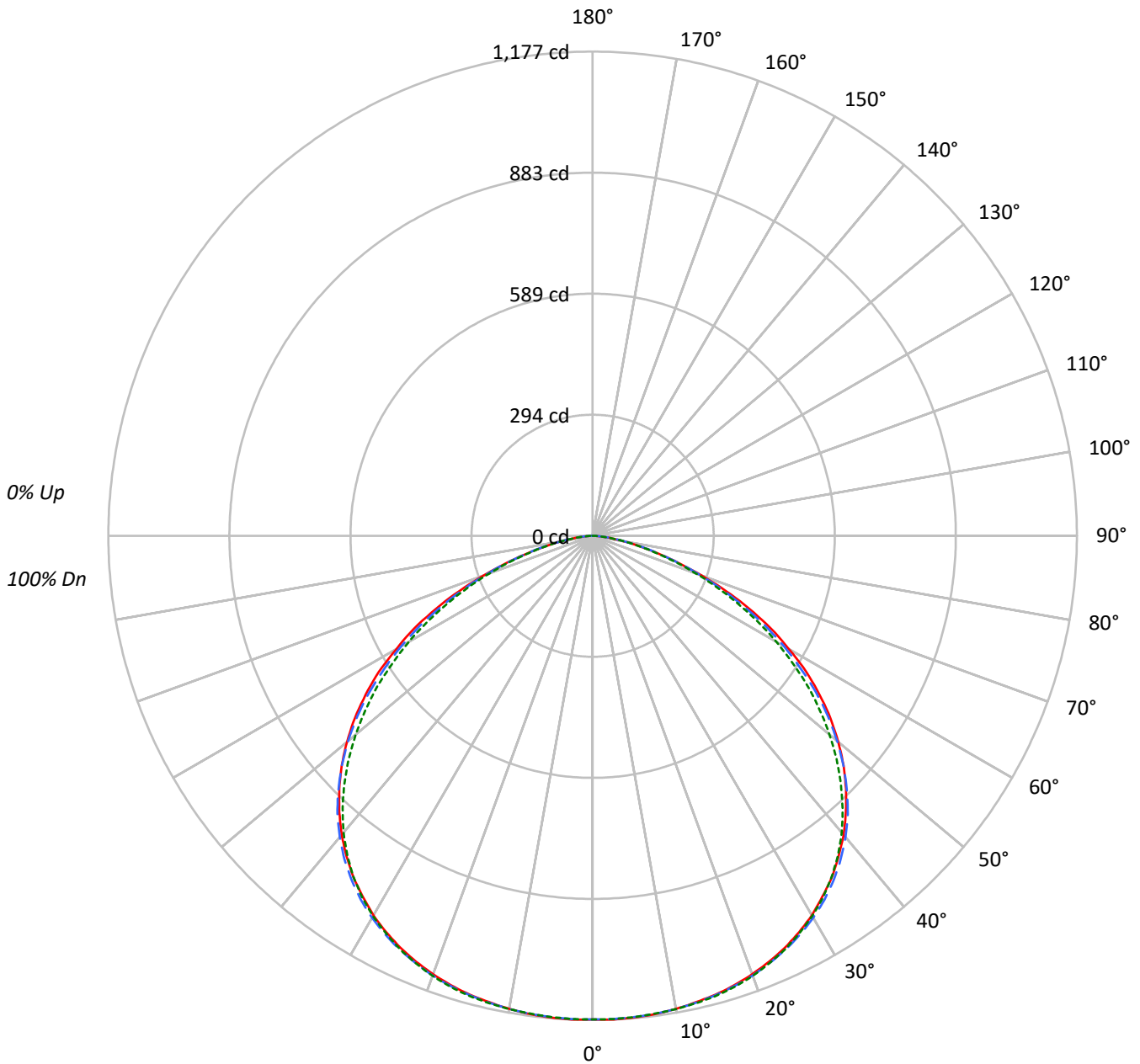
Test Method: LM-79-08  
Report Number: P506668  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-45-PW1-L927  
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3448.0 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45  
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

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

	0°	45°	90°
0°	1582	1582	1582
5°	1588	1586	1586
10°	1596	1596	1596
15°	1609	1610	1613
20°	1624	1629	1630
25°	1641	1648	1646
30°	1655	1666	1659
35°	1665	1678	1663
40°	1667	1679	1654
45°	1657	1663	1623
50°	1631	1624	1573
55°	1579	1554	1498
60°	1483	1445	1389
65°	1338	1288	1236
70°	1103	1086	1046
75°	843	852	817
80°	585	603	590
85°	349	364	355



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.9	3.2
10°-20°	326.9	9.5
20°-30°	511.2	14.8
30°-40°	635.9	18.4
40°-50°	668.2	19.4
50°-60°	586.6	17.0
60°-70°	399.4	11.6
70°-80°	176.2	5.1
80°-90°	31.7	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°	950.0	27.6
0°-40°	1585.9	46.0
0°-60°	2840.7	82.4
0°-90°	3448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3448.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1176	1175	1174	1173	1174	112
15°	1155	1156	1156	1156	1158	326
25°	1105	1108	1110	1110	1108	510
35°	1014	1018	1022	1017	1013	633
45°	871	876	874	860	853	671
55°	673	671	662	645	639	600
65°	420	410	405	396	388	414
75°	162	163	164	161	157	177
85°	23	24	24	23	23	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1175.8	1175.8	1175.8	1175.8	1175.8
2.5°	1177.1	1176.5	1175.8	1174.8	1175.8
5°	1175.5	1175.1	1174.2	1172.8	1174.2
7.5°	1172.8	1172.8	1171.9	1170.9	1171.5
10°	1167.9	1168.9	1167.9	1166.9	1168.3
12.5°	1161.4	1163.0	1162.7	1162.7	1163.7
15°	1154.8	1156.1	1155.8	1155.8	1158.1
17.5°	1145.6	1147.2	1147.6	1148.2	1149.5
20°	1134.1	1136.4	1137.7	1137.4	1138.4
22.5°	1120.7	1123.3	1124.3	1124.9	1124.3
25°	1105.2	1108.2	1110.2	1109.5	1108.5
27.5°	1086.5	1089.8	1092.4	1090.8	1088.8
30°	1065.5	1068.5	1072.4	1069.4	1067.5
32.5°	1039.6	1045.2	1048.8	1045.2	1042.2
35°	1013.6	1018.2	1021.5	1016.6	1012.7
37.5°	982.1	987.7	990.7	983.8	979.5
40°	949.0	954.6	956.2	947.3	941.8
42.5°	911.2	917.5	918.1	905.7	899.4
45°	870.9	876.4	874.1	859.7	853.1
47.5°	827.2	831.1	826.2	811.4	804.2
50°	779.3	781.6	775.7	758.3	751.4
52.5°	728.7	728.4	720.8	703.4	695.9
55°	673.2	670.6	662.4	645.0	638.8
57.5°	616.5	608.3	599.4	584.6	576.4
60°	551.1	544.9	537.0	522.3	516.0
62.5°	489.4	478.3	471.7	458.6	453.0
65°	420.2	410.0	404.7	395.9	388.3
67.5°	350.6	342.7	339.1	332.8	326.0
70°	280.3	278.0	276.1	270.2	265.9
72.5°	218.3	217.6	217.3	214.0	209.8
75°	162.2	163.1	163.8	160.8	157.2
77.5°	115.5	117.2	116.9	115.2	114.2
80°	75.5	76.8	77.8	76.2	76.2
82.5°	45.6	46.9	46.6	47.3	46.0
85°	22.6	23.6	23.6	23.3	23.0
87.5°	8.2	8.5	8.2	8.5	8.2
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)