

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: P506589

Luminaire Tested: **24PD-30-PW1-L935**

Issue Date: 3/26/2021



**Test Information**

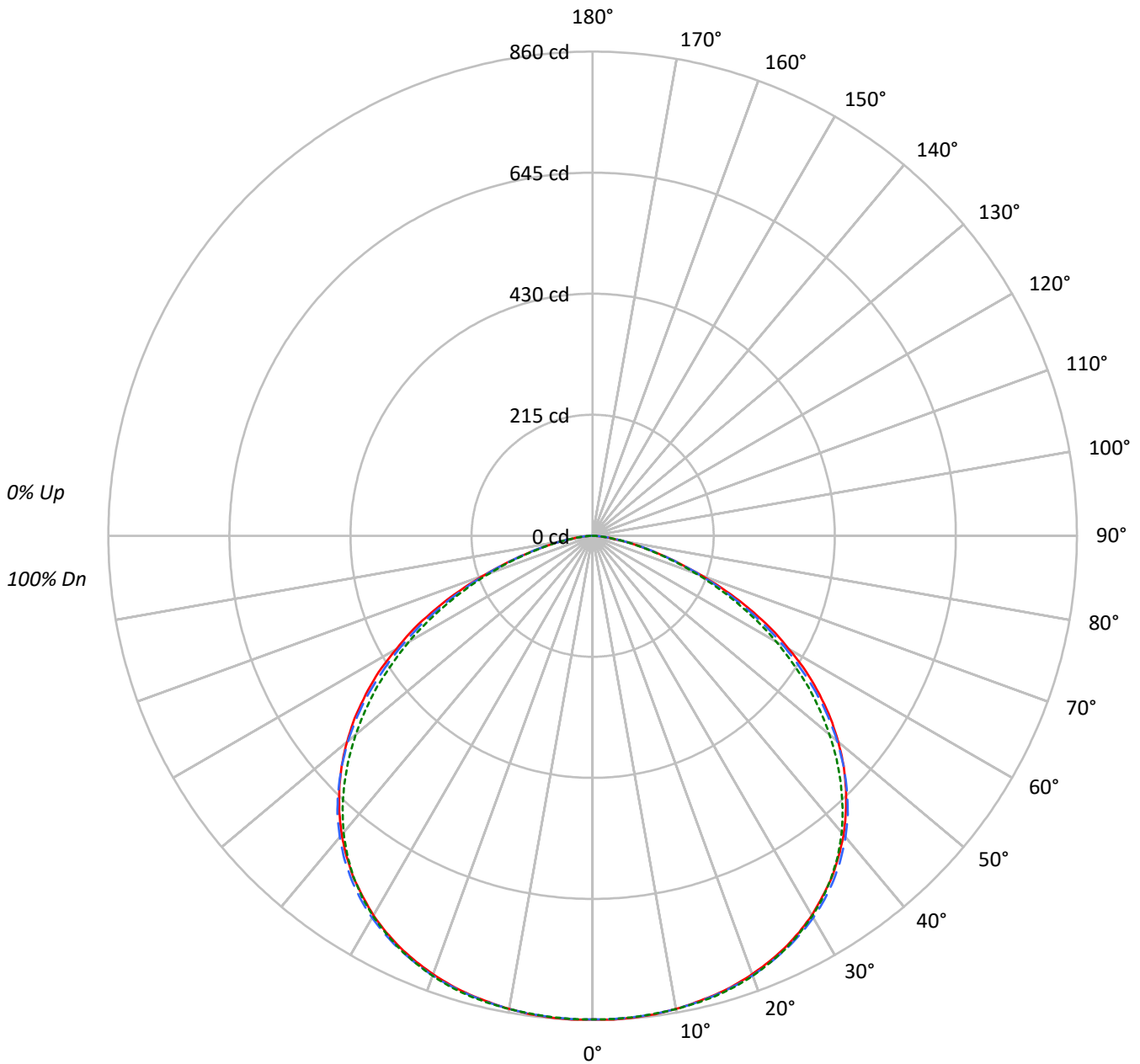
Test Method: LM-79-08  
Report Number: P506589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-30-PW1-L935  
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2519.5 lumens  
Efficiency: N/A  
Efficacy: 118.3 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): 21.3  
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°	1156	1156	1156
5°	1160	1159	1159
10°	1166	1166	1166
15°	1175	1176	1179
20°	1187	1190	1191
25°	1199	1204	1203
30°	1210	1217	1212
35°	1217	1226	1215
40°	1218	1227	1209
45°	1211	1215	1186
50°	1192	1186	1149
55°	1154	1135	1095
60°	1084	1056	1014
65°	977	941	903
70°	806	793	764
75°	616	622	597
80°	428	440	431
85°	255	267	259



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.8	3.2
10°-20°	238.9	9.5
20°-30°	373.5	14.8
30°-40°	464.6	18.4
40°-50°	488.3	19.4
50°-60°	428.6	17.0
60°-70°	291.9	11.6
70°-80°	128.7	5.1
80°-90°	23.2	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°	694.1	27.6
0°-40°	1158.8	46.0
0°-60°	2075.7	82.4
0°-90°	2519.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2519.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	859	859	859	859	859	
5°	859	859	858	857	858	82
15°	844	845	844	844	846	239
25°	808	810	811	811	810	372
35°	741	744	746	743	740	463
45°	636	640	639	628	623	490
55°	492	490	484	471	467	438
65°	307	300	296	289	284	303
75°	118	119	120	118	115	130
85°	16	17	17	17	17	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	859.1	859.1	859.1	859.1	859.1
2.5°	860.1	859.6	859.1	858.4	859.1
5°	858.9	858.7	857.9	857.0	857.9
7.5°	857.0	857.0	856.3	855.6	856.0
10°	853.4	854.1	853.4	852.7	853.6
12.5°	848.6	849.8	849.6	849.6	850.3
15°	843.8	844.8	844.5	844.5	846.2
17.5°	837.1	838.3	838.5	839.0	840.0
20°	828.7	830.4	831.3	831.1	831.8
22.5°	818.9	820.8	821.5	822.0	821.5
25°	807.6	809.7	811.2	810.7	810.0
27.5°	793.9	796.3	798.2	797.0	795.6
30°	778.6	780.7	783.6	781.4	780.0
32.5°	759.6	763.7	766.3	763.7	761.5
35°	740.7	744.0	746.4	742.8	739.9
37.5°	717.6	721.7	723.9	718.8	715.7
40°	693.4	697.5	698.7	692.2	688.1
42.5°	665.8	670.4	670.9	661.8	657.2
45°	636.3	640.4	638.7	628.2	623.4
47.5°	604.4	607.3	603.7	592.9	587.6
50°	569.4	571.1	566.8	554.1	549.0
52.5°	532.5	532.2	526.7	514.0	508.5
55°	491.9	490.0	484.0	471.3	466.8
57.5°	450.4	444.4	438.0	427.2	421.2
60°	402.7	398.2	392.4	381.6	377.0
62.5°	357.6	349.5	344.7	335.1	331.0
65°	307.0	299.6	295.7	289.3	283.7
67.5°	256.2	250.4	247.8	243.2	238.2
70°	204.8	203.2	201.7	197.4	194.3
72.5°	159.5	159.0	158.8	156.4	153.3
75°	118.5	119.2	119.7	117.5	114.9
77.5°	84.4	85.6	85.4	84.2	83.5
80°	55.2	56.1	56.8	55.6	55.6
82.5°	33.3	34.3	34.1	34.5	33.6
85°	16.5	17.3	17.3	17.0	16.8
87.5°	6.0	6.2	6.0	6.2	6.0
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)