

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: P506859

Luminaire Tested: **24PD-80-PW1-L935**

Issue Date: 3/26/2021



**Test Information**

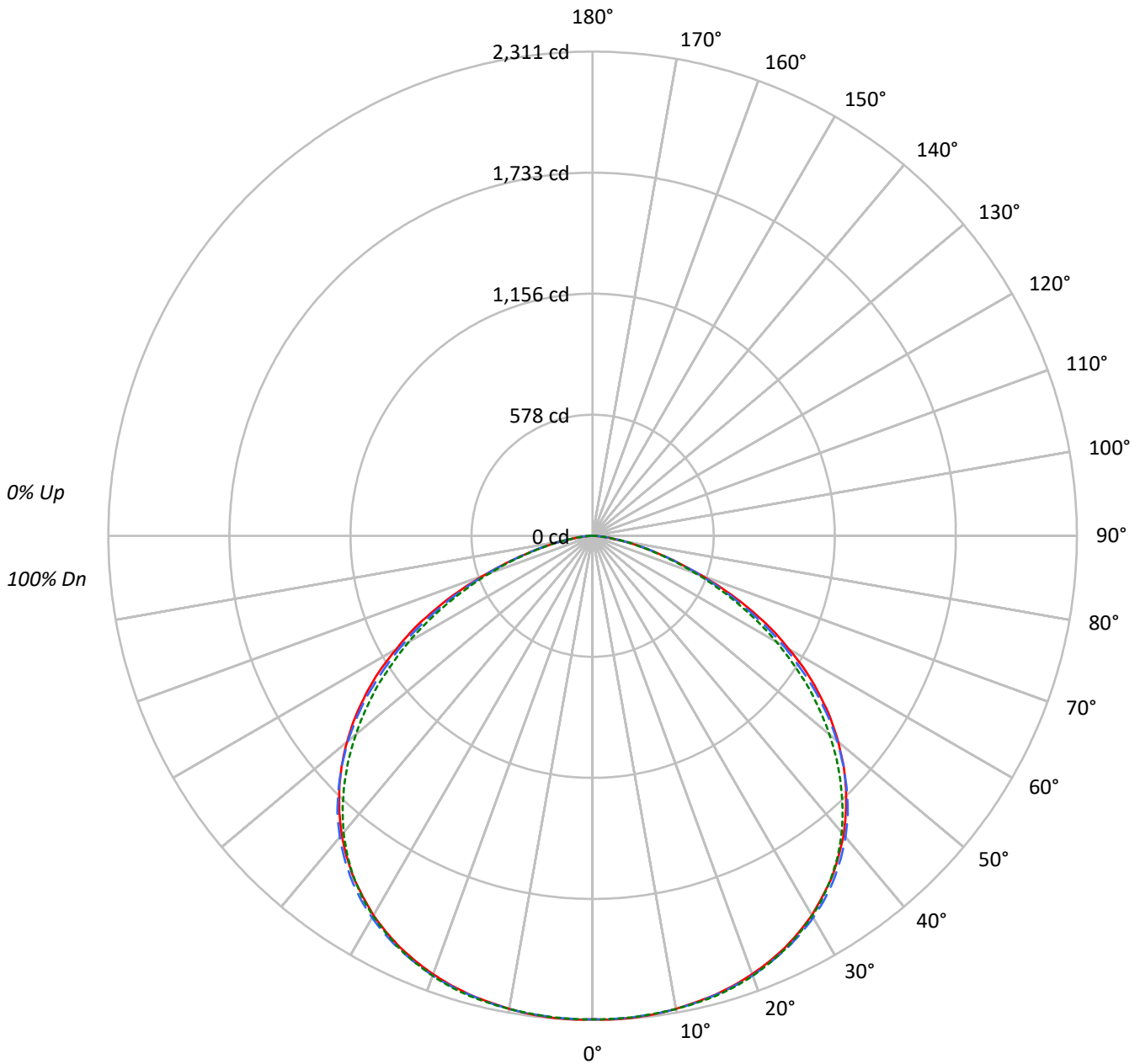
Test Method: LM-79-08  
Report Number: P506859  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-80-PW1-L935  
Description: 8000 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: 6769.5 lumens  
Efficiency: N/A  
Efficacy: 110.6 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): 61.2  
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				
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			
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°	3106	3106	3106
5°	3117	3113	3113
10°	3133	3133	3134
15°	3158	3161	3167
20°	3188	3198	3200
25°	3221	3236	3231
30°	3250	3271	3256
35°	3269	3294	3266
40°	3272	3297	3247
45°	3253	3266	3187
50°	3202	3188	3088
55°	3101	3051	2942
60°	2912	2837	2726
65°	2626	2530	2427
70°	2165	2132	2054
75°	1655	1672	1605
80°	1148	1183	1158
85°	687	716	696



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.7	3.2
10°-20°	641.8	9.5
20°-30°	1003.6	14.8
30°-40°	1248.4	18.4
40°-50°	1312.0	19.4
50°-60°	1151.6	17.0
60°-70°	784.2	11.6
70°-80°	345.9	5.1
80°-90°	62.3	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°	1865.1	27.6
0°-40°	3113.5	46.0
0°-60°	5577.0	82.4
0°-90°	6769.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6769.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2308	2308	2308	2308	2308	
5°	2308	2307	2305	2303	2305	220
15°	2267	2270	2269	2269	2274	641
25°	2170	2176	2180	2178	2176	1001
35°	1990	1999	2006	1996	1988	1244
45°	1710	1721	1716	1688	1675	1317
55°	1322	1317	1300	1266	1254	1178
65°	825	805	795	777	762	813
75°	318	320	322	316	309	348
85°	44	46	46	46	45	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2308.4	2308.4	2308.4	2308.4	2308.4
2.5°	2311.0	2309.7	2308.4	2306.5	2308.4
5°	2307.8	2307.1	2305.2	2302.6	2305.2
7.5°	2302.6	2302.6	2300.7	2298.8	2300.0
10°	2293.0	2294.9	2293.0	2291.0	2293.6
12.5°	2280.1	2283.3	2282.6	2282.6	2284.6
15°	2267.2	2269.8	2269.1	2269.1	2273.6
17.5°	2249.1	2252.4	2253.0	2254.3	2256.9
20°	2226.6	2231.1	2233.7	2233.0	2235.0
22.5°	2200.2	2205.3	2207.2	2208.5	2207.2
25°	2169.9	2175.7	2179.5	2178.2	2176.3
27.5°	2133.1	2139.6	2144.7	2141.5	2137.6
30°	2091.9	2097.7	2105.4	2099.6	2095.8
32.5°	2041.0	2051.9	2059.0	2051.9	2046.1
35°	1990.1	1999.1	2005.5	1995.9	1988.1
37.5°	1928.2	1939.2	1945.0	1931.4	1923.0
40°	1863.1	1874.1	1877.3	1859.9	1848.9
42.5°	1789.0	1801.2	1802.5	1778.0	1765.8
45°	1709.7	1720.7	1716.2	1687.8	1674.9
47.5°	1624.0	1631.8	1622.1	1593.1	1578.9
50°	1529.9	1534.4	1522.8	1488.7	1475.1
52.5°	1430.7	1430.0	1415.2	1381.1	1366.2
55°	1321.8	1316.6	1300.5	1266.3	1254.1
57.5°	1210.3	1194.2	1176.8	1147.8	1131.7
60°	1082.0	1069.8	1054.3	1025.3	1013.1
62.5°	960.9	939.0	926.1	900.3	889.3
65°	824.9	804.9	794.6	777.2	762.4
67.5°	688.3	672.8	665.7	653.5	639.9
70°	550.4	545.9	542.0	530.4	522.0
72.5°	428.6	427.3	426.6	420.2	411.8
75°	318.4	320.3	321.6	315.8	308.7
77.5°	226.8	230.1	229.4	226.2	224.3
80°	148.2	150.8	152.7	149.5	149.5
82.5°	89.6	92.2	91.5	92.8	90.2
85°	44.5	46.4	46.4	45.8	45.1
87.5°	16.1	16.8	16.1	16.8	16.1
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)