

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: P506617

Luminaire Tested: **24PD-35-PW1-L940**

Issue Date: 3/26/2021



**Test Information**

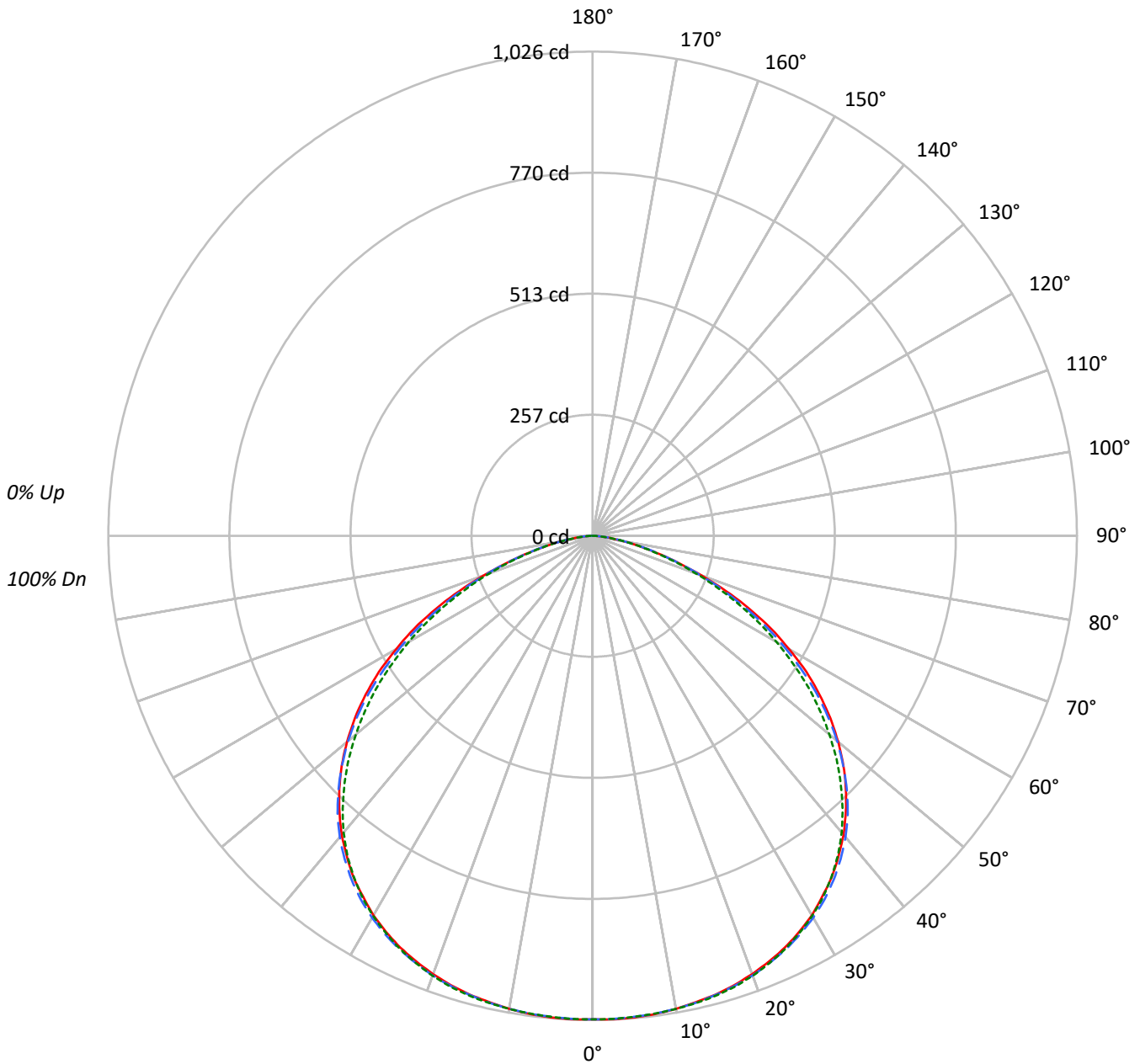
Test Method: LM-79-08  
Report Number: P506617  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-35-PW1-L940  
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
4000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3004.9 lumens  
Efficiency: N/A  
Efficacy: 118.8 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): 25.3  
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

TEST NUMBER: P506617  
CATALOG NUMBER: 24PD-35-PW1-L940

### Luminous Intensity Polar Plot





TEST NUMBER: P506617

CATALOG NUMBER: 24PD-35-PW1-L940

**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°	1379	1379	1379
5°	1384	1382	1382
10°	1391	1391	1391
15°	1402	1403	1406
20°	1415	1420	1421
25°	1430	1436	1434
30°	1443	1452	1445
35°	1451	1462	1450
40°	1453	1464	1441
45°	1444	1450	1415
50°	1421	1415	1371
55°	1376	1354	1306
60°	1292	1259	1210
65°	1166	1123	1077
70°	961	947	911
75°	735	742	712
80°	510	525	514
85°	304	318	309



TEST NUMBER: P506617

CATALOG NUMBER: 24PD-35-PW1-L940

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.5	3.2
10°-20°	284.9	9.5
20°-30°	445.5	14.8
30°-40°	554.2	18.4
40°-50°	582.4	19.4
50°-60°	511.2	17.0
60°-70°	348.1	11.6
70°-80°	153.6	5.1
80°-90°	27.6	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°	827.9	27.6
0°-40°	1382.0	46.0
0°-60°	2475.6	82.4
0°-90°	3004.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3004.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1025	1025	1025	1025	1025	
5°	1024	1024	1023	1022	1023	98
15°	1006	1008	1007	1007	1009	284
25°	963	966	968	967	966	444
35°	883	887	890	886	882	552
45°	759	764	762	749	744	584
55°	587	584	577	562	557	523
65°	366	357	353	345	338	361
75°	141	142	143	140	137	155
85°	20	21	21	20	20	27
90°	0	0	0	0	0	



TEST NUMBER: P506617

CATALOG NUMBER: 24PD-35-PW1-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1024.7	1024.7	1024.7	1024.7	1024.7
2.5°	1025.8	1025.2	1024.7	1023.8	1024.7
5°	1024.4	1024.1	1023.2	1022.1	1023.2
7.5°	1022.1	1022.1	1021.2	1020.4	1021.0
10°	1017.8	1018.7	1017.8	1016.9	1018.1
12.5°	1012.1	1013.5	1013.2	1013.2	1014.1
15°	1006.4	1007.5	1007.2	1007.2	1009.2
17.5°	998.4	999.8	1000.1	1000.6	1001.8
20°	988.3	990.3	991.5	991.2	992.1
22.5°	976.6	978.9	979.8	980.3	979.8
25°	963.2	965.7	967.5	966.9	966.0
27.5°	946.9	949.7	952.0	950.6	948.9
30°	928.6	931.1	934.6	932.0	930.3
32.5°	906.0	910.8	914.0	910.8	908.2
35°	883.4	887.4	890.2	885.9	882.5
37.5°	855.9	860.8	863.3	857.3	853.6
40°	827.0	831.9	833.3	825.6	820.7
42.5°	794.1	799.5	800.1	789.2	783.8
45°	758.9	763.8	761.8	749.2	743.5
47.5°	720.9	724.3	720.0	707.1	700.9
50°	679.1	681.1	676.0	660.8	654.8
52.5°	635.1	634.8	628.2	613.0	606.5
55°	586.7	584.4	577.3	562.1	556.7
57.5°	537.2	530.1	522.3	509.5	502.3
60°	480.3	474.9	468.0	455.1	449.7
62.5°	426.5	416.8	411.1	399.6	394.8
65°	366.2	357.3	352.7	345.0	338.4
67.5°	305.5	298.6	295.5	290.1	284.1
70°	244.3	242.3	240.6	235.4	231.7
72.5°	190.2	189.7	189.4	186.5	182.8
75°	141.3	142.2	142.7	140.2	137.0
77.5°	100.7	102.1	101.8	100.4	99.5
80°	65.8	66.9	67.8	66.4	66.4
82.5°	39.8	40.9	40.6	41.2	40.0
85°	19.7	20.6	20.6	20.3	20.0
87.5°	7.2	7.4	7.2	7.4	7.2
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)