

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: P506590

Luminaire Tested: **24PD-30-PW1-L940**

Issue Date: 3/26/2021



**Test Information**

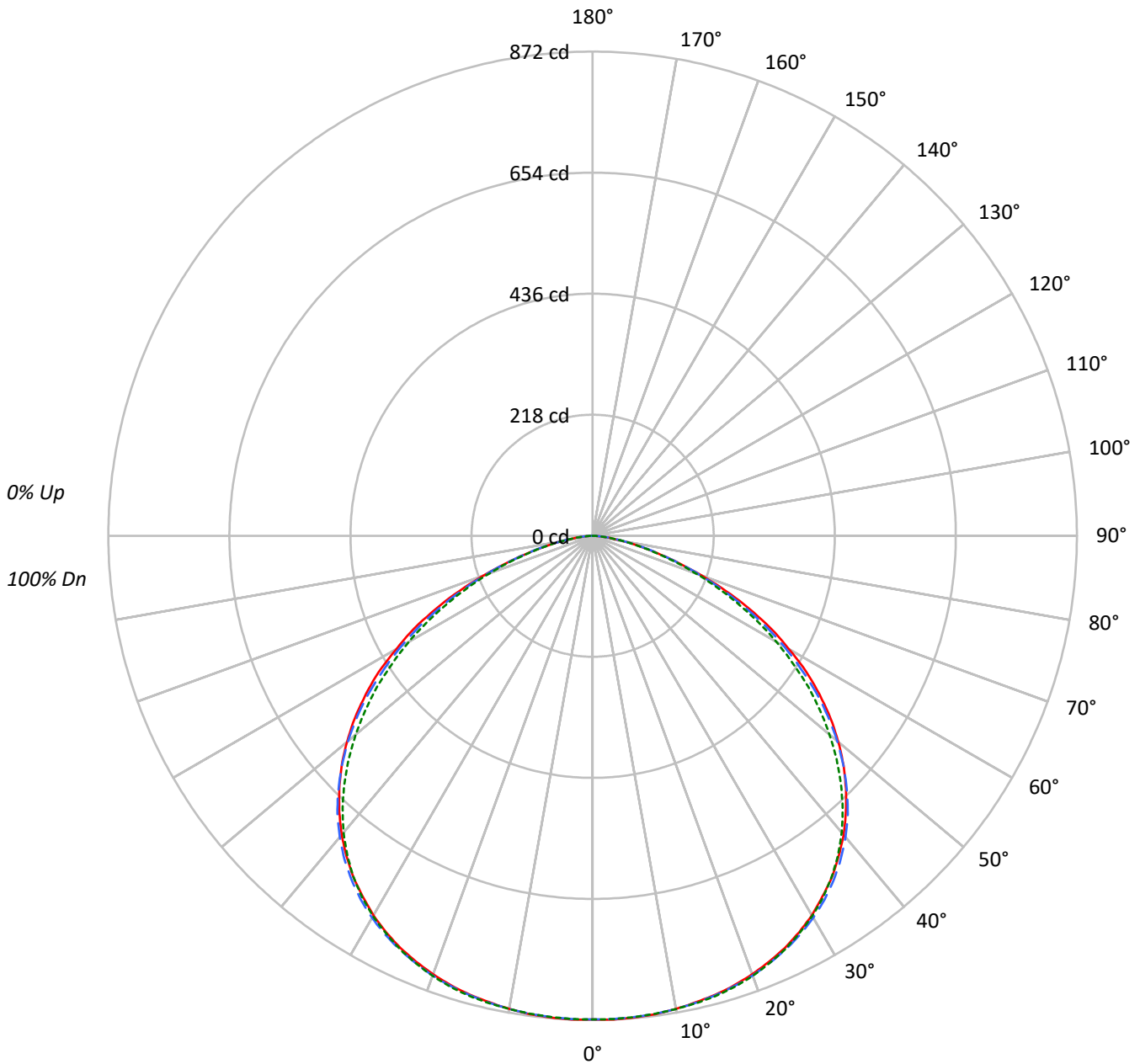
Test Method: LM-79-08  
Report Number: P506590  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-30-PW1-L940  
Description: 3000 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: 2554.6 lumens  
Efficiency: N/A  
Efficacy: 119.9 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

TEST NUMBER: P506590  
CATALOG NUMBER: 24PD-30-PW1-L940

### 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°	1172	1172	1172
5°	1176	1175	1175
10°	1182	1182	1182
15°	1192	1193	1195
20°	1203	1207	1208
25°	1216	1221	1219
30°	1226	1234	1229
35°	1234	1243	1232
40°	1235	1244	1225
45°	1228	1232	1203
50°	1209	1203	1165
55°	1170	1151	1110
60°	1099	1071	1029
65°	991	955	916
70°	817	804	775
75°	624	631	606
80°	433	446	437
85°	259	270	262



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.9	3.2
10°-20°	242.2	9.5
20°-30°	378.7	14.8
30°-40°	471.1	18.4
40°-50°	495.1	19.4
50°-60°	434.6	17.0
60°-70°	295.9	11.6
70°-80°	130.6	5.1
80°-90°	23.5	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°	703.8	27.6
0°-40°	1175.0	46.0
0°-60°	2104.6	82.4
0°-90°	2554.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2554.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	871	871	871	871	871	
5°	871	871	870	869	870	83
15°	856	857	856	856	858	242
25°	819	821	822	822	821	378
35°	751	754	757	753	750	469
45°	645	649	648	637	632	497
55°	499	497	491	478	473	445
65°	311	304	300	293	288	307
75°	120	121	121	119	116	131
85°	17	18	18	17	17	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	871.1	871.1	871.1	871.1	871.1
2.5°	872.1	871.6	871.1	870.4	871.1
5°	870.9	870.7	869.9	869.0	869.9
7.5°	869.0	869.0	868.2	867.5	868.0
10°	865.3	866.0	865.3	864.6	865.5
12.5°	860.4	861.7	861.4	861.4	862.1
15°	855.6	856.6	856.3	856.3	858.0
17.5°	848.8	850.0	850.2	850.7	851.7
20°	840.3	842.0	842.9	842.7	843.4
22.5°	830.3	832.2	833.0	833.4	833.0
25°	818.9	821.0	822.5	822.0	821.3
27.5°	805.0	807.4	809.4	808.2	806.7
30°	789.4	791.6	794.5	792.3	790.9
32.5°	770.2	774.3	777.0	774.3	772.2
35°	751.0	754.4	756.8	753.2	750.3
37.5°	727.7	731.8	734.0	728.9	725.7
40°	703.1	707.2	708.4	701.9	697.7
42.5°	675.1	679.7	680.2	671.0	666.4
45°	645.2	649.3	647.6	636.9	632.1
47.5°	612.9	615.8	612.1	601.2	595.8
50°	577.4	579.1	574.7	561.8	556.7
52.5°	539.9	539.7	534.1	521.2	515.6
55°	498.8	496.9	490.8	477.9	473.3
57.5°	456.7	450.6	444.1	433.1	427.1
60°	408.3	403.7	397.9	386.9	382.3
62.5°	362.6	354.3	349.5	339.8	335.6
65°	311.3	303.8	299.9	293.3	287.7
67.5°	259.7	253.9	251.2	246.6	241.5
70°	207.7	206.0	204.5	200.2	197.0
72.5°	161.7	161.2	161.0	158.6	155.4
75°	120.1	120.9	121.4	119.2	116.5
77.5°	85.6	86.8	86.6	85.4	84.6
80°	55.9	56.9	57.6	56.4	56.4
82.5°	33.8	34.8	34.5	35.0	34.0
85°	16.8	17.5	17.5	17.3	17.0
87.5°	6.1	6.3	6.1	6.3	6.1
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)