

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: P505862

Luminaire Tested: **14PD-25-PW1-L950**

Issue Date: 3/26/2021



**Test Information**

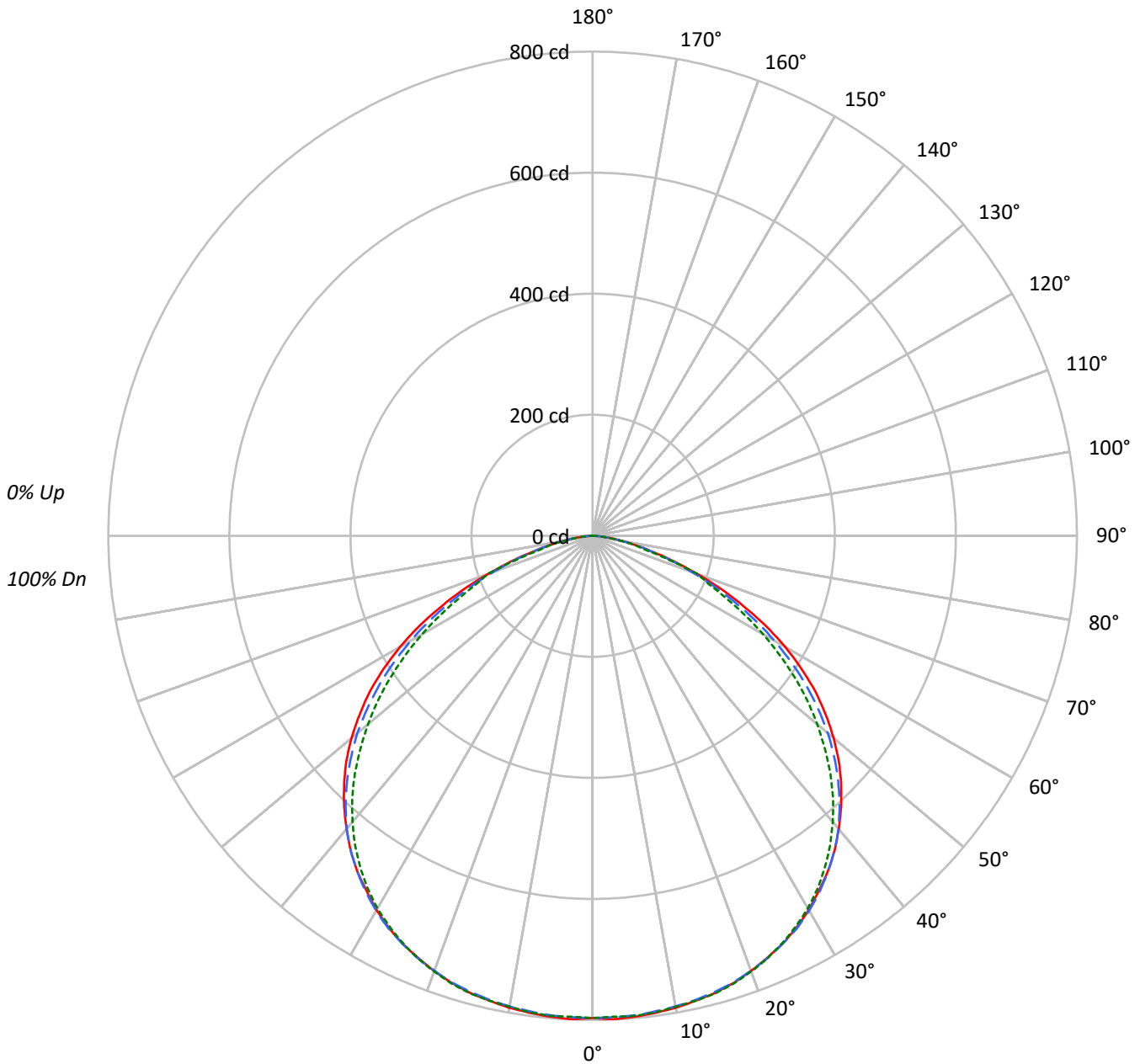
Test Method: LM-79-08  
Report Number: P505862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PW1-L950  
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,  
5000K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2269.2 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.7  
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: P505862  
CATALOG NUMBER: 14PD-25-PW1-L950

### 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	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

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

	0°	45°	90°
0°	2144	2144	2144
5°	2155	2149	2151
10°	2164	2158	2159
15°	2178	2173	2181
20°	2192	2190	2194
25°	2208	2208	2204
30°	2218	2223	2209
35°	2225	2225	2197
40°	2222	2220	2168
45°	2210	2184	2114
50°	2176	2123	2027
55°	2109	2020	1910
60°	1976	1866	1750
65°	1750	1649	1540
70°	1428	1364	1439
75°	1077	1058	950
80°	775	725	725
85°	488	460	404



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.8	3.3
10°-20°	220.6	9.7
20°-30°	342.4	15.1
30°-40°	421.7	18.6
40°-50°	439.0	19.3
50°-60°	381.8	16.8
60°-70°	256.5	11.3
70°-80°	111.0	4.9
80°-90°	20.4	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°	638.7	28.1
0°-40°	1060.4	46.7
0°-60°	1881.3	82.9
0°-90°	2269.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2269.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	798	793	795	797	796	76
15°	782	776	780	783	783	221
25°	744	740	744	744	742	343
35°	677	676	677	672	669	423
45°	581	579	574	561	555	447
55°	450	441	431	414	407	400
65°	275	270	259	247	242	272
75°	104	104	102	104	91	114
85°	16	16	15	13	13	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	796.8	796.8	796.8	796.8	796.8
2.5°	799.5	794.5	796.3	799.0	795.4
5°	797.7	792.7	795.4	797.2	796.3
7.5°	795.0	791.4	792.7	794.5	794.1
10°	791.8	788.2	789.6	791.4	790.0
12.5°	786.9	782.8	785.5	787.3	786.9
15°	781.9	776.5	780.1	782.8	782.8
17.5°	774.7	770.2	773.8	776.1	775.6
20°	765.3	762.1	764.8	766.6	766.2
22.5°	754.4	752.2	755.3	755.3	755.3
25°	743.6	740.0	743.6	743.6	742.3
27.5°	729.7	726.5	731.0	729.7	727.4
30°	713.9	712.1	715.3	713.0	710.8
32.5°	695.4	694.5	697.7	693.2	691.4
35°	677.4	675.6	677.4	671.6	668.9
37.5°	656.3	654.5	656.3	648.6	644.5
40°	632.4	631.0	631.9	622.0	617.1
42.5°	607.6	606.3	604.0	591.8	587.8
45°	580.6	578.8	573.8	560.8	555.4
47.5°	551.8	548.6	541.4	527.4	520.2
50°	519.8	515.3	507.2	491.9	484.2
52.5°	485.1	479.7	469.3	454.0	446.8
55°	449.5	441.4	430.6	413.5	407.2
57.5°	409.0	400.4	389.2	373.4	366.2
60°	367.1	358.5	346.8	332.4	325.2
62.5°	322.5	314.8	303.1	289.6	283.3
65°	274.8	269.8	259.0	246.8	241.9
67.5°	229.7	224.8	215.7	205.4	207.2
70°	181.5	181.1	173.4	166.2	182.9
72.5°	141.4	140.5	136.5	132.9	132.0
75°	103.6	104.5	101.8	104.0	91.4
77.5°	73.0	73.9	73.4	67.1	70.3
80°	50.0	50.0	46.8	44.6	46.8
82.5°	30.2	36.0	32.4	26.6	25.7
85°	15.8	16.2	14.9	13.1	13.1
87.5°	5.9	6.8	5.9	5.4	5.0
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)