

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: P505851

Luminaire Tested: **14PD-25-PR1-L935**

Issue Date: 3/26/2021



**Test Information**

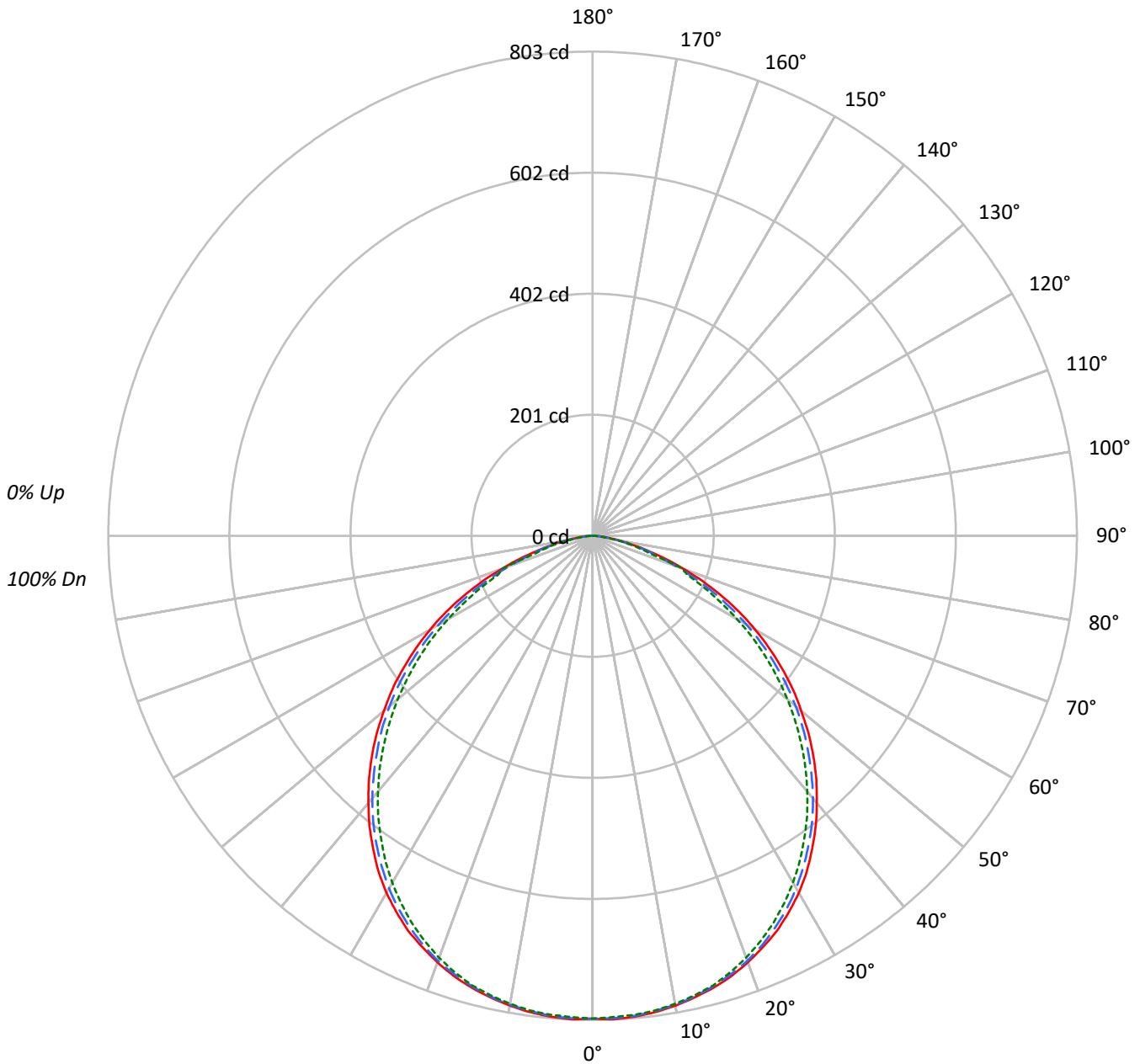
Test Method: LM-79-08  
Report Number: P505851  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PD-25-PR1-L935  
Description: 2500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2061.0 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34  
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

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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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

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

	0°	45°	90°
0°	2155	2155	2155
5°	2162	2159	2154
10°	2162	2158	2154
15°	2162	2155	2150
20°	2156	2148	2132
25°	2147	2128	2105
30°	2125	2098	2064
35°	2084	2052	2010
40°	2031	1997	1945
45°	1971	1923	1863
50°	1890	1840	1765
55°	1798	1727	1645
60°	1674	1586	1488
65°	1503	1397	1306
70°	1264	1152	1245
75°	973	936	841
80°	700	628	597
85°	429	367	330



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.9	3.7
10°-20°	218.1	10.6
20°-30°	329.4	16.0
30°-40°	389.7	18.9
40°-50°	388.6	18.9
50°-60°	328.3	15.9
60°-70°	218.7	10.6
70°-80°	95.0	4.6
80°-90°	17.2	0.8
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°	623.4	30.2
0°-40°	1013.2	49.2
0°-60°	1730.0	83.9
0°-90°	2061.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2061.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	800	797	799	798	797	76
15°	776	772	774	772	772	219
25°	723	718	717	710	709	333
35°	634	630	625	616	612	397
45°	518	513	505	495	490	399
55°	383	380	368	356	351	342
65°	236	233	219	210	205	233
75°	94	92	90	87	81	102
85°	14	14	12	11	11	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	800.8	800.8	800.8	800.8	800.8
2.5°	802.8	799.3	800.8	800.8	798.9
5°	800.5	797.3	799.3	798.5	797.3
7.5°	796.9	793.7	794.9	794.5	794.1
10°	791.3	788.2	789.7	788.9	788.2
12.5°	784.2	781.0	782.6	781.4	780.6
15°	775.9	772.3	773.5	772.3	771.9
17.5°	765.5	762.0	762.4	760.8	759.2
20°	752.9	749.7	750.1	746.1	744.5
22.5°	738.2	735.0	734.6	729.5	727.5
25°	723.1	718.3	716.8	710.4	708.8
27.5°	704.1	699.7	697.3	690.6	687.4
30°	683.8	679.1	675.1	667.6	664.4
32.5°	660.8	656.1	650.9	643.0	639.4
35°	634.3	629.9	624.7	616.4	612.0
37.5°	607.7	602.9	597.8	587.8	584.3
40°	578.3	574.0	568.4	557.7	553.7
42.5°	549.0	543.8	537.1	526.8	522.4
45°	518.0	513.3	505.3	494.6	489.5
47.5°	485.5	481.5	473.2	461.7	456.2
50°	451.4	448.2	439.5	426.8	421.6
52.5°	418.9	414.5	404.6	391.9	386.3
55°	383.2	380.4	368.1	356.2	350.6
57.5°	347.5	343.9	331.6	319.7	314.5
60°	311.0	307.8	294.7	282.8	276.5
62.5°	274.1	270.5	256.6	245.9	240.0
65°	236.0	233.2	219.4	209.8	205.1
67.5°	197.9	195.9	181.3	173.3	169.8
70°	160.6	157.9	146.4	143.2	158.3
72.5°	126.1	122.6	112.7	107.5	103.5
75°	93.6	91.6	90.0	86.9	80.9
77.5°	65.8	65.4	59.9	55.5	59.9
80°	45.2	46.8	40.5	36.9	38.5
82.5°	27.8	30.9	24.2	21.4	20.6
85°	13.9	14.3	11.9	11.1	10.7
87.5°	5.2	5.9	5.2	4.4	4.4
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)