

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: P506605

Luminaire Tested: **24PD-35-PR1-L927**

Issue Date: 3/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P506605  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-35-PR1-L927  
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,  
2700K LEDS  
Light Source: -  
Ballast/Driver: -

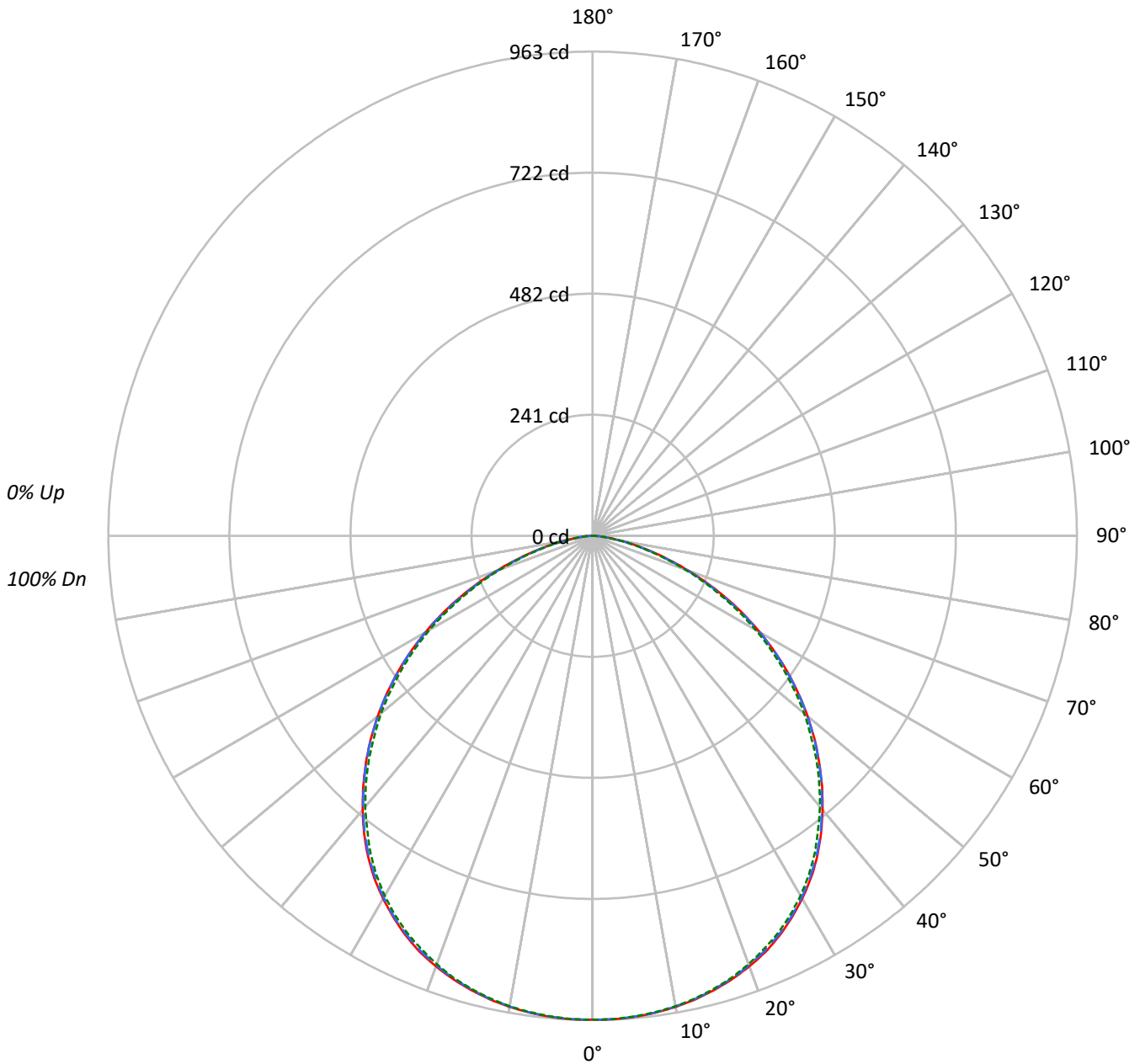
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2591.0 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37  
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

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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			100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85			85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28			28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			26

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

	0°	45°	90°
0°	1295	1295	1295
5°	1297	1296	1296
10°	1300	1299	1298
15°	1303	1301	1299
20°	1305	1302	1298
25°	1304	1300	1294
30°	1295	1291	1284
35°	1279	1275	1265
40°	1250	1246	1235
45°	1213	1211	1197
50°	1168	1167	1149
55°	1110	1108	1087
60°	1035	1031	1007
65°	932	921	900
70°	796	784	765
75°	629	615	601
80°	447	435	422
85°	269	261	253



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.3	3.5
10°-20°	263.7	10.2
20°-30°	403.2	15.6
30°-40°	484.2	18.7
40°-50°	489.3	18.9
50°-60°	420.4	16.2
60°-70°	286.8	11.1
70°-80°	128.9	5.0
80°-90°	23.2	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°	758.2	29.3
0°-40°	1242.4	48.0
0°-60°	2152.1	83.1
0°-90°	2591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2591.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	960	960	960	959	959	91
15°	935	935	934	933	933	264
25°	878	878	876	873	872	404
35°	779	779	776	772	770	486
45°	637	639	636	632	629	491
55°	473	475	472	468	463	422
65°	293	294	289	287	283	290
75°	121	122	118	118	116	131
85°	17	18	17	17	16	24
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	962.4	962.4	962.4	962.4	962.4
2.5°	962.7	962.4	962.2	961.7	962.4
5°	960.4	960.2	959.9	959.4	959.4
7.5°	956.9	956.4	956.4	955.7	955.5
10°	951.5	951.2	950.5	950.5	950.2
12.5°	944.5	944.0	943.3	943.0	942.5
15°	935.1	934.8	933.8	933.1	932.8
17.5°	924.4	923.6	922.9	921.2	921.2
20°	911.5	911.0	909.2	907.5	906.5
22.5°	896.5	895.6	893.6	891.8	889.8
25°	878.2	877.9	875.7	872.7	871.9
27.5°	856.8	857.3	855.0	852.1	850.6
30°	833.4	834.4	831.2	827.4	826.7
32.5°	807.8	808.1	805.3	801.3	799.9
35°	778.7	778.7	776.2	771.5	770.0
37.5°	746.4	746.2	744.7	739.2	736.5
40°	711.4	712.6	709.6	704.7	703.4
42.5°	675.1	676.6	673.8	669.6	666.9
45°	637.3	639.0	636.3	631.8	629.1
47.5°	598.3	599.5	597.5	591.8	588.1
50°	557.8	560.2	557.5	551.5	549.1
52.5°	516.0	518.7	515.5	511.0	506.3
55°	473.3	475.0	472.3	468.0	463.3
57.5°	429.3	432.7	428.3	423.3	419.3
60°	384.5	387.5	383.0	378.6	374.3
62.5°	339.0	341.0	336.0	333.3	328.3
65°	292.8	294.3	289.3	287.3	282.6
67.5°	247.1	248.3	243.6	240.9	238.1
70°	202.3	203.3	199.3	196.9	194.4
72.5°	160.1	160.3	156.6	155.8	152.9
75°	121.0	122.0	118.3	117.6	115.6
77.5°	87.0	87.2	84.8	84.3	82.5
80°	57.7	57.9	56.2	55.9	54.4
82.5°	34.8	35.0	33.6	33.6	32.6
85°	17.4	17.6	16.9	16.9	16.4
87.5°	6.0	6.2	6.0	6.0	5.7
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)