

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: P506607

Luminaire Tested: **24PD-35-PR1-L935**

Issue Date: 3/26/2021



**Test Information**

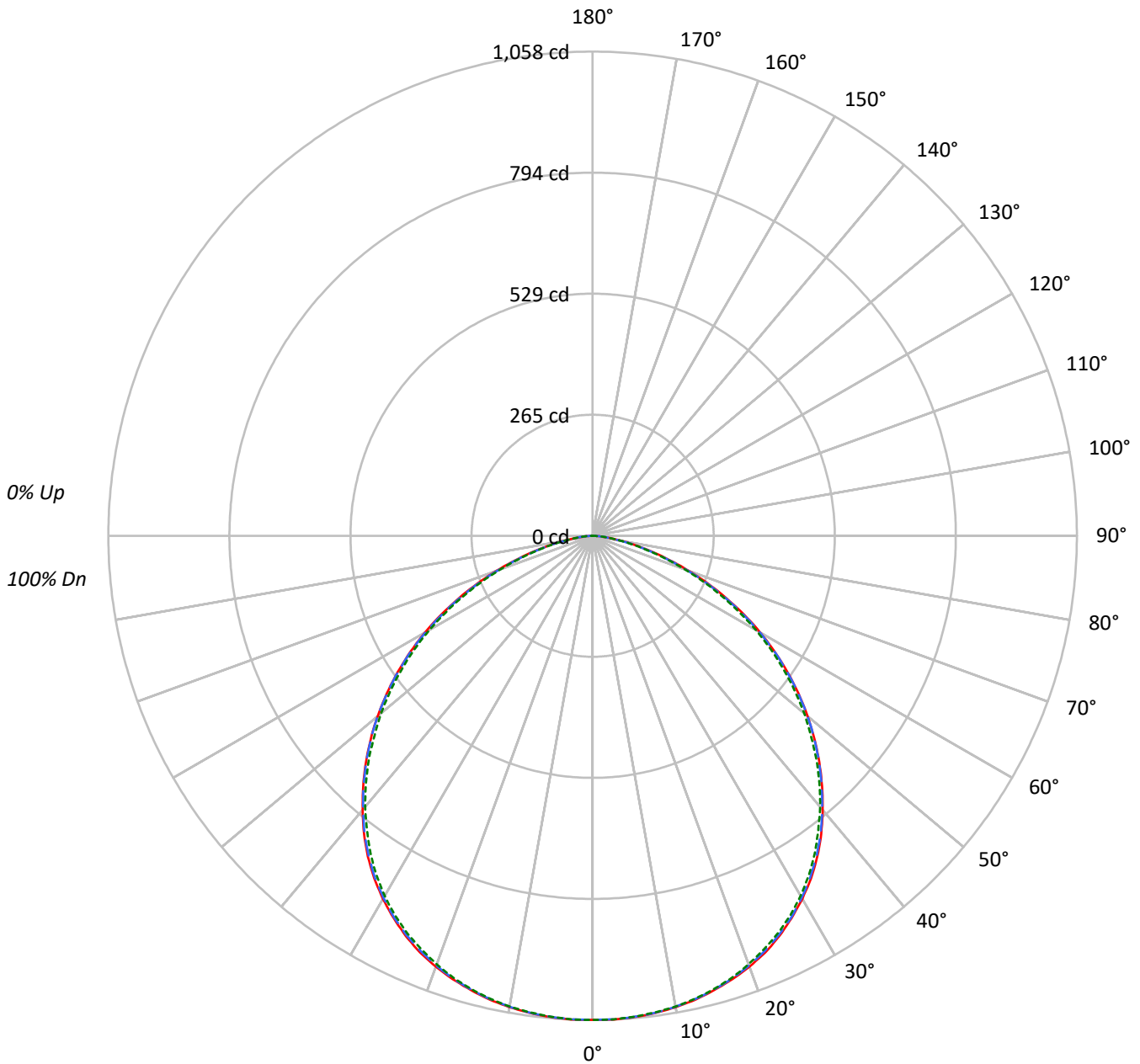
Test Method: LM-79-08  
Report Number: P506607  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-35-PR1-L935  
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2848.0 lumens  
Efficiency: N/A  
Efficacy: 112.6 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

TEST NUMBER: P506607  
CATALOG NUMBER: 24PD-35-PR1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P506607

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

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

	0°	45°	90°
0°	1423	1423	1423
5°	1426	1425	1424
10°	1429	1427	1427
15°	1432	1430	1428
20°	1435	1431	1427
25°	1433	1429	1423
30°	1423	1419	1412
35°	1406	1401	1390
40°	1373	1370	1358
45°	1333	1331	1316
50°	1283	1283	1263
55°	1220	1218	1195
60°	1137	1133	1107
65°	1025	1012	989
70°	875	862	841
75°	692	676	660
80°	491	478	463
85°	295	287	278



TEST NUMBER: P506607

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.4	3.5
10°-20°	289.9	10.2
20°-30°	443.2	15.6
30°-40°	532.2	18.7
40°-50°	537.8	18.9
50°-60°	462.1	16.2
60°-70°	315.2	11.1
70°-80°	141.7	5.0
80°-90°	25.5	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°	833.5	29.3
0°-40°	1365.6	48.0
0°-60°	2365.5	83.1
0°-90°	2848.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2848.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1058	1058	1058	1058	1058	
5°	1056	1055	1055	1055	1055	100
15°	1028	1028	1026	1026	1025	290
25°	965	965	962	959	958	445
35°	856	856	853	848	846	534
45°	700	702	699	694	692	540
55°	520	522	519	514	509	464
65°	322	324	318	316	311	319
75°	133	134	130	129	127	144
85°	19	19	19	19	18	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1057.9	1057.9	1057.9	1057.9	1057.9
2.5°	1058.1	1057.9	1057.6	1057.1	1057.9
5°	1055.7	1055.4	1055.1	1054.6	1054.6
7.5°	1051.9	1051.3	1051.3	1050.5	1050.2
10°	1045.9	1045.6	1044.8	1044.8	1044.5
12.5°	1038.2	1037.7	1036.8	1036.6	1036.0
15°	1027.8	1027.5	1026.5	1025.6	1025.4
17.5°	1016.1	1015.3	1014.4	1012.5	1012.5
20°	1001.9	1001.3	999.4	997.5	996.4
22.5°	985.5	984.4	982.2	980.3	978.1
25°	965.3	965.0	962.5	959.2	958.4
27.5°	941.8	942.3	939.8	936.6	934.9
30°	916.1	917.2	913.6	909.5	908.7
32.5°	887.9	888.2	885.2	880.8	879.2
35°	856.0	856.0	853.2	848.0	846.4
37.5°	820.5	820.2	818.5	812.5	809.5
40°	781.9	783.3	780.0	774.6	773.2
42.5°	742.0	743.7	740.7	736.0	733.0
45°	700.5	702.4	699.4	694.5	691.5
47.5°	657.6	659.0	656.8	650.5	646.4
50°	613.1	615.8	612.8	606.3	603.5
52.5°	567.2	570.2	566.6	561.7	556.5
55°	520.2	522.1	519.1	514.5	509.3
57.5°	471.8	475.7	470.7	465.3	460.9
60°	422.7	425.9	421.0	416.1	411.5
62.5°	372.7	374.8	369.4	366.4	360.9
65°	321.8	323.5	318.0	315.8	310.6
67.5°	271.6	272.9	267.7	264.7	261.7
70°	222.4	223.5	219.1	216.4	213.7
72.5°	175.9	176.2	172.1	171.3	168.0
75°	133.1	134.1	130.0	129.2	127.0
77.5°	95.6	95.9	93.2	92.6	90.7
80°	63.4	63.7	61.7	61.5	59.8
82.5°	38.2	38.5	36.9	36.9	35.8
85°	19.1	19.4	18.6	18.6	18.0
87.5°	6.6	6.8	6.6	6.6	6.3
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)