

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: P506602

Luminaire Tested: **24PD-35-PR1-L835**

Issue Date: 3/26/2021

**Test Information**

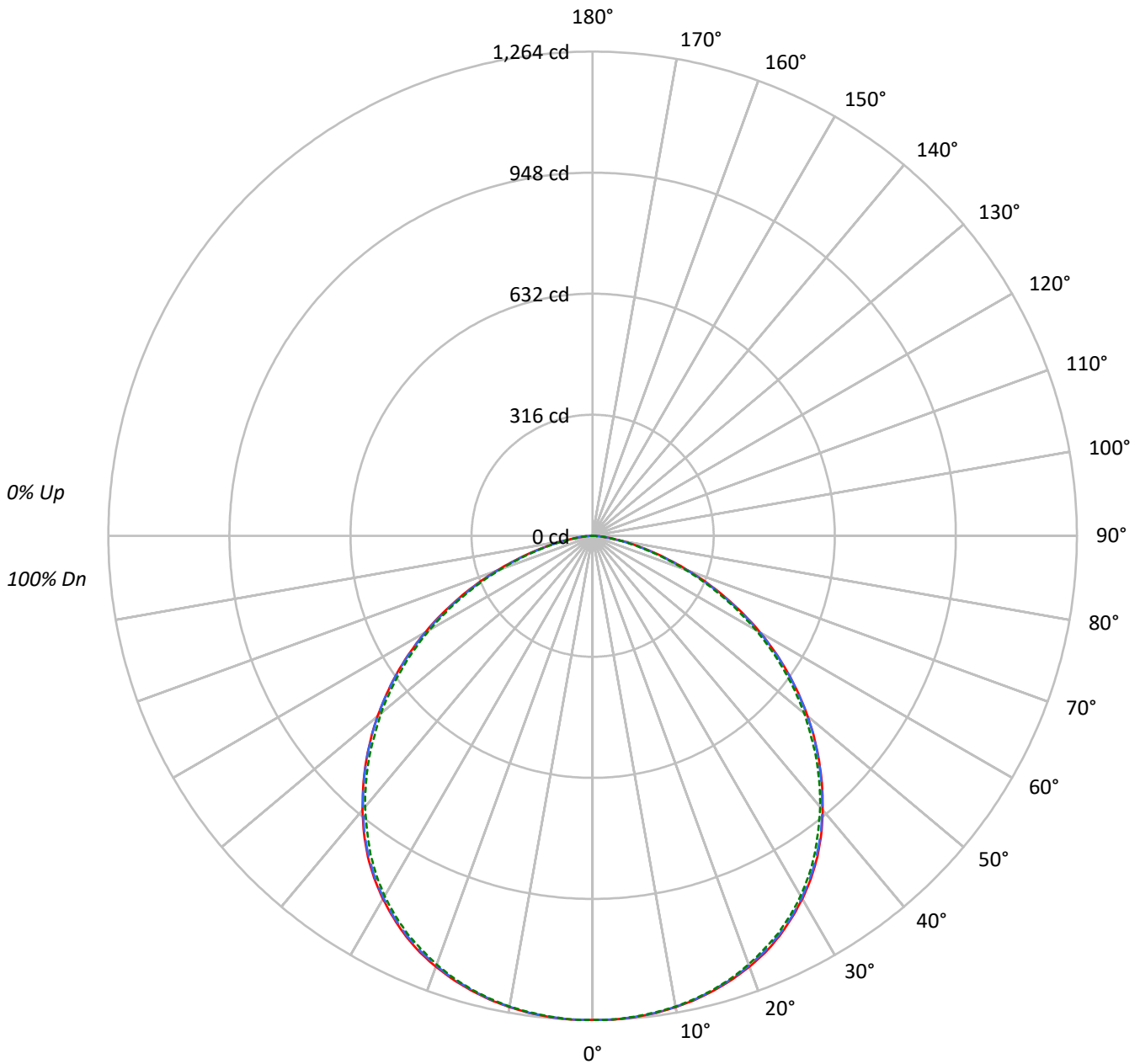
Test Method: LM-79-08  
Report Number: P506602  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PD-35-PR1-L835  
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,  
3500K LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3403.0 lumens  
Efficiency: N/A  
Efficacy: 134.5 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				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°	1701	1701	1701
5°	1704	1703	1702
10°	1707	1706	1705
15°	1711	1708	1707
20°	1714	1710	1705
25°	1712	1707	1700
30°	1701	1696	1687
35°	1680	1675	1661
40°	1641	1637	1623
45°	1593	1590	1572
50°	1533	1533	1509
55°	1458	1455	1427
60°	1359	1354	1323
65°	1224	1210	1182
70°	1045	1030	1004
75°	827	808	789
80°	587	572	554
85°	354	343	332



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.0	3.5
10°-20°	346.4	10.2
20°-30°	529.5	15.6
30°-40°	635.9	18.7
40°-50°	642.6	18.9
50°-60°	552.2	16.2
60°-70°	376.7	11.1
70°-80°	169.4	5.0
80°-90°	30.5	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°	995.9	29.3
0°-40°	1631.8	48.0
0°-60°	2826.6	83.1
0°-90°	3403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3403.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1261	1261	1261	1260	1260	120
15°	1228	1228	1226	1226	1225	347
25°	1153	1153	1150	1146	1145	531
35°	1023	1023	1020	1013	1011	639
45°	837	839	836	830	826	645
55°	622	624	620	615	608	555
65°	385	386	380	377	371	381
75°	159	160	155	154	152	172
85°	23	23	22	22	22	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1264.0	1264.0	1264.0	1264.0	1264.0
2.5°	1264.4	1264.0	1263.7	1263.0	1264.0
5°	1261.4	1261.1	1260.8	1260.1	1260.1
7.5°	1256.8	1256.2	1256.2	1255.2	1254.9
10°	1249.7	1249.3	1248.4	1248.4	1248.0
12.5°	1240.5	1239.9	1238.9	1238.6	1237.9
15°	1228.1	1227.8	1226.5	1225.5	1225.2
17.5°	1214.1	1213.1	1212.1	1209.8	1209.8
20°	1197.1	1196.5	1194.2	1191.9	1190.6
22.5°	1177.5	1176.2	1173.6	1171.3	1168.7
25°	1153.4	1153.0	1150.1	1146.2	1145.2
27.5°	1125.3	1125.9	1123.0	1119.1	1117.1
30°	1094.6	1095.9	1091.7	1086.8	1085.8
32.5°	1061.0	1061.3	1057.7	1052.5	1050.5
35°	1022.8	1022.8	1019.5	1013.3	1011.4
37.5°	980.3	980.0	978.1	970.9	967.3
40°	934.3	935.9	932.0	925.5	923.9
42.5°	886.6	888.6	885.0	879.5	875.9
45°	837.0	839.3	835.7	829.8	826.3
47.5°	785.8	787.4	784.8	777.3	772.4
50°	732.6	735.8	732.2	724.4	721.1
52.5°	677.7	681.3	677.1	671.2	665.0
55°	621.6	623.9	620.3	614.7	608.5
57.5°	563.8	568.4	562.5	556.0	550.7
60°	505.0	508.9	503.1	497.2	491.6
62.5°	445.3	447.9	441.4	437.8	431.2
65°	384.6	386.5	380.0	377.4	371.2
67.5°	324.5	326.1	319.9	316.3	312.7
70°	265.7	267.0	261.8	258.6	255.3
72.5°	210.2	210.6	205.7	204.7	200.8
75°	159.0	160.3	155.4	154.4	151.8
77.5°	114.3	114.6	111.3	110.7	108.4
80°	75.7	76.1	73.8	73.5	71.5
82.5°	45.7	46.0	44.1	44.1	42.8
85°	22.9	23.2	22.2	22.2	21.5
87.5°	7.8	8.2	7.8	7.8	7.5
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)