

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: P506604

Luminaire Tested: **24PD-35-PR1-L850**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506604
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-L850
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

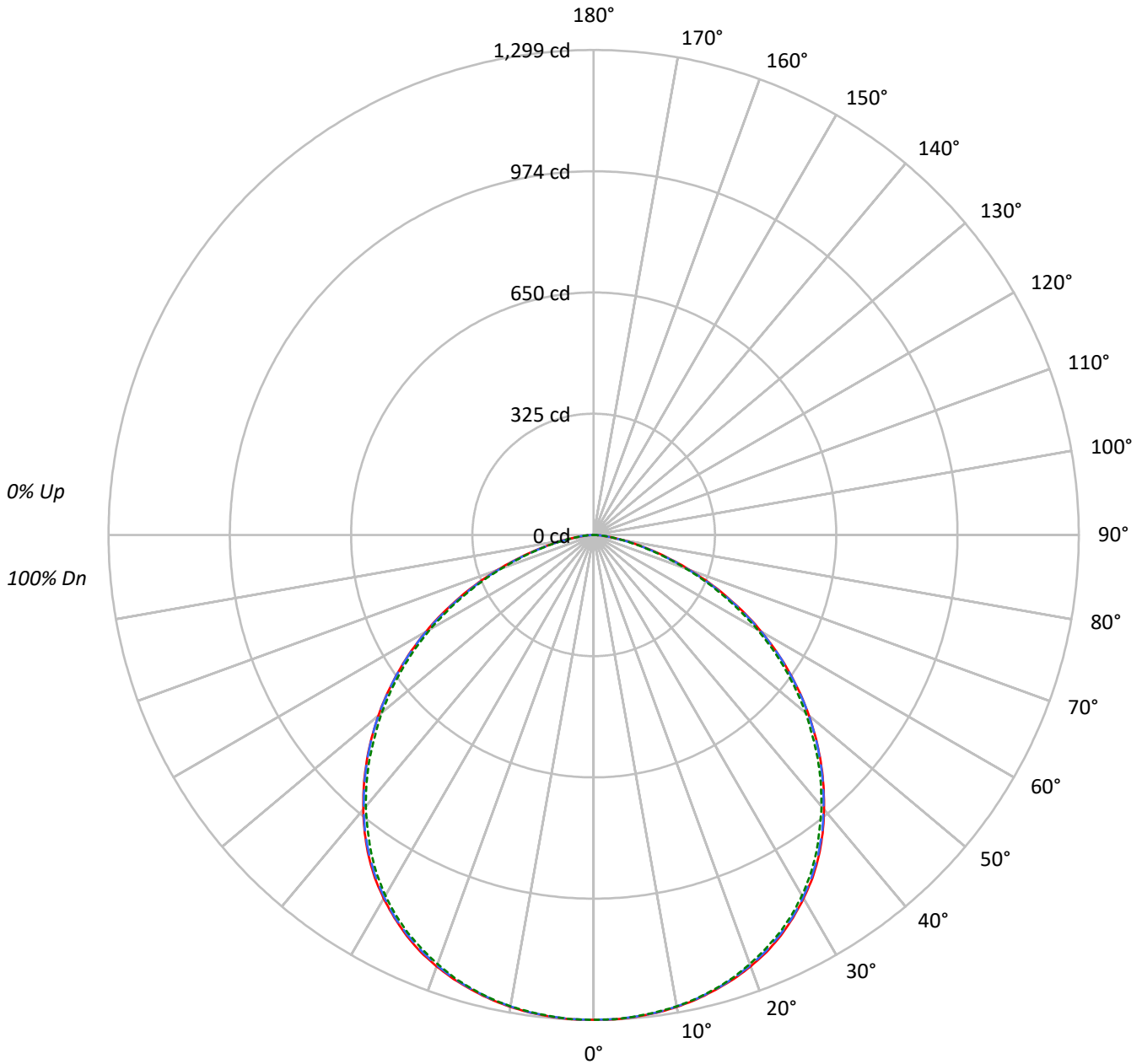
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3496.0 lumens
Efficiency: N/A
Efficacy: 138.2 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_{in}): 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	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°	1747	1747	1747
5°	1750	1749	1748
10°	1754	1752	1752
15°	1757	1755	1753
20°	1761	1757	1751
25°	1759	1754	1747
30°	1747	1742	1733
35°	1726	1720	1707
40°	1686	1682	1667
45°	1636	1634	1615
50°	1575	1575	1551
55°	1498	1495	1466
60°	1396	1391	1359
65°	1258	1243	1214
70°	1074	1058	1032
75°	849	830	810
80°	603	587	569
85°	363	352	341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	3.5
10°-20°	355.8	10.2
20°-30°	544.0	15.6
30°-40°	653.3	18.7
40°-50°	660.2	18.9
50°-60°	567.3	16.2
60°-70°	386.9	11.1
70°-80°	174.0	5.0
80°-90°	31.3	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°	1023.1	29.3
0°-40°	1676.4	48.0
0°-60°	2903.8	83.1
0°-90°	3496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3496.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1296	1296	1295	1294	1294	123
15°	1262	1261	1260	1259	1259	356
25°	1185	1184	1182	1178	1176	546
35°	1051	1051	1047	1041	1039	656
45°	860	862	859	852	849	663
55°	639	641	637	632	625	570
65°	395	397	390	388	381	391
75°	163	165	160	159	156	177
85°	24	24	23	23	22	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1298.6	1298.6	1298.6	1298.6	1298.6
2.5°	1298.9	1298.6	1298.2	1297.6	1298.6
5°	1295.9	1295.6	1295.2	1294.5	1294.5
7.5°	1291.2	1290.5	1290.5	1289.5	1289.2
10°	1283.8	1283.5	1282.5	1282.5	1282.1
12.5°	1274.4	1273.8	1272.7	1272.4	1271.7
15°	1261.7	1261.3	1260.0	1259.0	1258.7
17.5°	1247.3	1246.3	1245.2	1242.9	1242.9
20°	1229.8	1229.1	1226.8	1224.5	1223.1
22.5°	1209.7	1208.4	1205.7	1203.3	1200.6
25°	1184.9	1184.5	1181.5	1177.5	1176.5
27.5°	1156.0	1156.7	1153.7	1149.7	1147.7
30°	1124.5	1125.9	1121.5	1116.5	1115.5
32.5°	1090.0	1090.3	1086.6	1081.2	1079.2
35°	1050.7	1050.7	1047.4	1041.0	1039.0
37.5°	1007.1	1006.8	1004.8	997.4	993.7
40°	959.8	961.5	957.5	950.8	949.1
42.5°	910.9	912.9	909.2	903.5	899.8
45°	859.9	862.2	858.6	852.5	848.8
47.5°	807.2	808.9	806.2	798.5	793.5
50°	752.6	755.9	752.2	744.2	740.8
52.5°	696.2	699.9	695.6	689.5	683.2
55°	638.6	640.9	637.2	631.5	625.1
57.5°	579.2	583.9	577.9	571.1	565.8
60°	518.8	522.8	516.8	510.8	505.1
62.5°	457.5	460.1	453.4	449.7	443.0
65°	395.1	397.1	390.4	387.7	381.3
67.5°	333.4	335.0	328.7	325.0	321.3
70°	273.0	274.3	269.0	265.6	262.3
72.5°	216.0	216.3	211.3	210.3	206.3
75°	163.3	164.7	159.6	158.6	155.9
77.5°	117.4	117.7	114.4	113.7	111.3
80°	77.8	78.1	75.8	75.5	73.4
82.5°	47.0	47.3	45.3	45.3	43.9
85°	23.5	23.8	22.8	22.8	22.1
87.5°	8.0	8.4	8.0	8.0	7.7
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)