

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: P506679

Luminaire Tested: **24PD-50-PL1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506679
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-50-PL1-L935
Description: 5000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

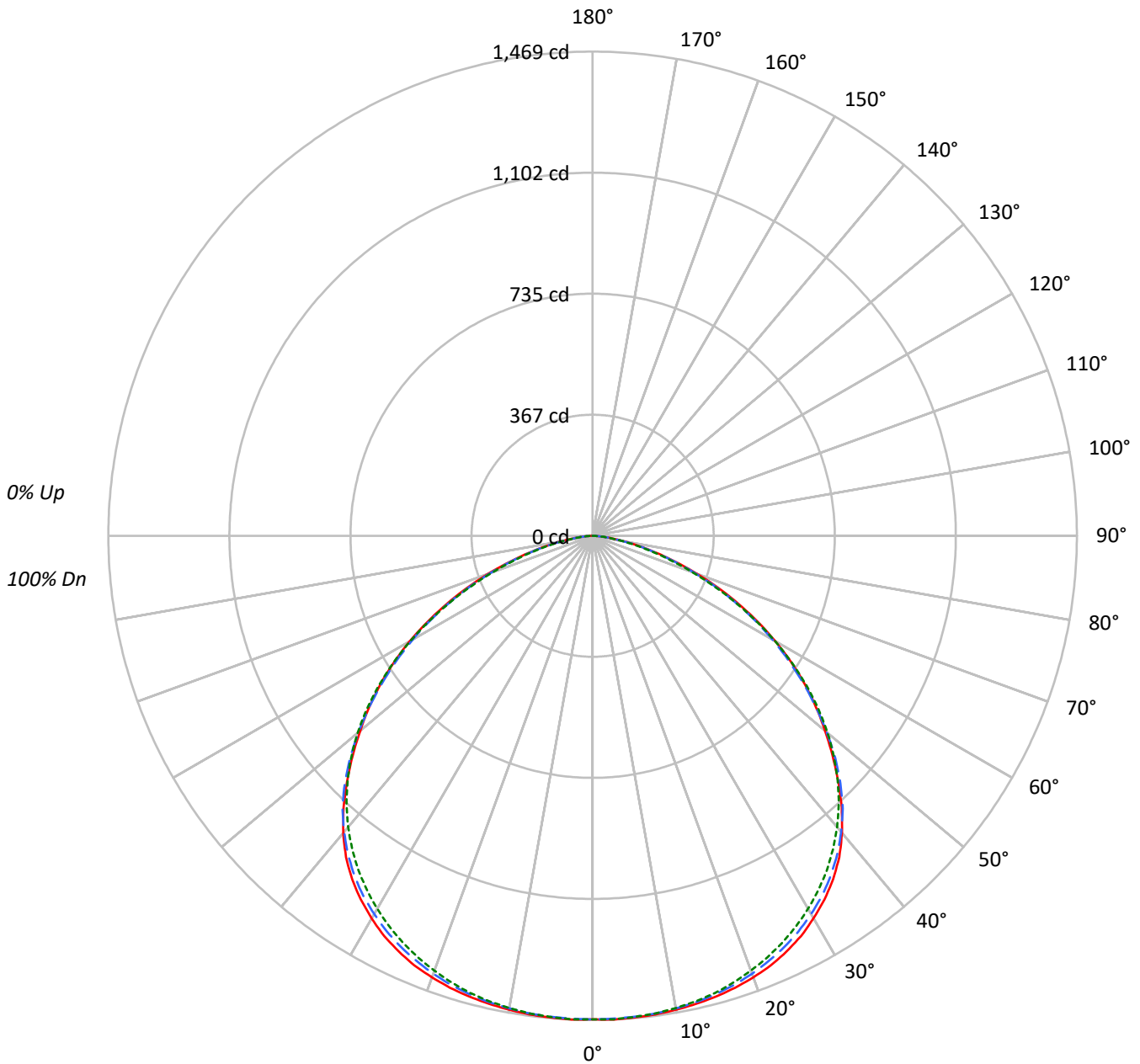
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4208.6 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.1
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1974	1974	1974
5°	1982	1978	1979
10°	1995	1990	1988
15°	2016	2006	2000
20°	2041	2025	2010
25°	2067	2043	2022
30°	2083	2059	2030
35°	2090	2069	2034
40°	2067	2060	2026
45°	2004	2023	2000
50°	1926	1941	1948
55°	1843	1829	1856
60°	1724	1696	1718
65°	1551	1521	1519
70°	1321	1291	1261
75°	1040	1017	975
80°	744	722	682
85°	440	434	403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	3.3
10°-20°	407.2	9.7
20°-30°	634.8	15.1
30°-40°	785.5	18.7
40°-50°	814.3	19.3
50°-60°	701.1	16.7
60°-70°	475.7	11.3
70°-80°	212.3	5.0
80°-90°	38.2	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°	1181.6	28.1
0°-40°	1967.1	46.7
0°-60°	3482.5	82.7
0°-90°	4208.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4208.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1467	1467	1467	1467	1467	
5°	1467	1465	1465	1465	1465	140
15°	1447	1443	1440	1437	1436	409
25°	1392	1387	1376	1366	1362	642
35°	1272	1269	1259	1246	1238	794
45°	1053	1058	1063	1059	1051	812
55°	786	786	780	789	791	701
65°	487	489	478	472	477	482
75°	200	202	196	191	188	217
85°	28	29	28	28	26	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1467.1	1467.1	1467.1	1467.1	1467.1
2.5°	1469.1	1465.9	1466.3	1466.7	1468.3
5°	1467.1	1465.1	1464.7	1464.7	1465.1
7.5°	1464.7	1462.3	1461.9	1461.5	1461.5
10°	1460.3	1457.8	1456.2	1455.4	1455.0
12.5°	1454.2	1451.4	1449.4	1447.8	1446.6
15°	1447.4	1443.4	1440.2	1437.0	1435.7
17.5°	1437.8	1434.1	1428.5	1423.3	1421.3
20°	1425.7	1422.1	1414.1	1406.8	1404.0
22.5°	1411.6	1406.4	1396.4	1388.3	1384.3
25°	1392.0	1386.7	1376.3	1366.2	1362.2
27.5°	1369.1	1364.2	1353.0	1340.9	1336.1
30°	1340.5	1337.3	1325.3	1312.0	1306.8
32.5°	1308.8	1305.6	1295.1	1280.3	1274.3
35°	1272.2	1268.6	1259.4	1245.7	1238.5
37.5°	1228.9	1227.7	1218.8	1204.8	1197.9
40°	1177.0	1179.5	1172.6	1160.6	1153.7
42.5°	1118.0	1123.2	1123.2	1112.0	1105.1
45°	1053.3	1058.1	1063.0	1058.9	1051.3
47.5°	987.0	992.2	997.9	999.5	993.1
50°	920.3	923.6	927.2	934.4	930.4
52.5°	854.1	855.3	854.1	863.7	862.9
55°	785.8	786.2	779.7	788.6	791.4
57.5°	714.7	715.9	705.4	710.2	716.3
60°	640.7	641.9	630.3	631.1	638.3
62.5°	564.4	566.0	554.4	551.6	558.0
65°	487.3	489.3	477.6	472.4	477.2
67.5°	410.6	413.0	402.1	395.7	396.9
70°	335.8	337.8	328.2	322.2	320.6
72.5°	264.7	266.7	259.1	253.1	250.3
75°	200.1	201.7	195.6	191.2	187.6
77.5°	143.8	145.0	140.2	137.0	133.4
80°	96.0	96.4	93.2	91.2	88.0
82.5°	57.4	57.8	55.8	55.0	52.6
85°	28.5	28.9	28.1	28.1	26.1
87.5°	10.0	9.6	10.0	10.0	8.8
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)