

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: P506620

Luminaire Tested: **24PD-40-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506620
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-40-PL1-L835
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

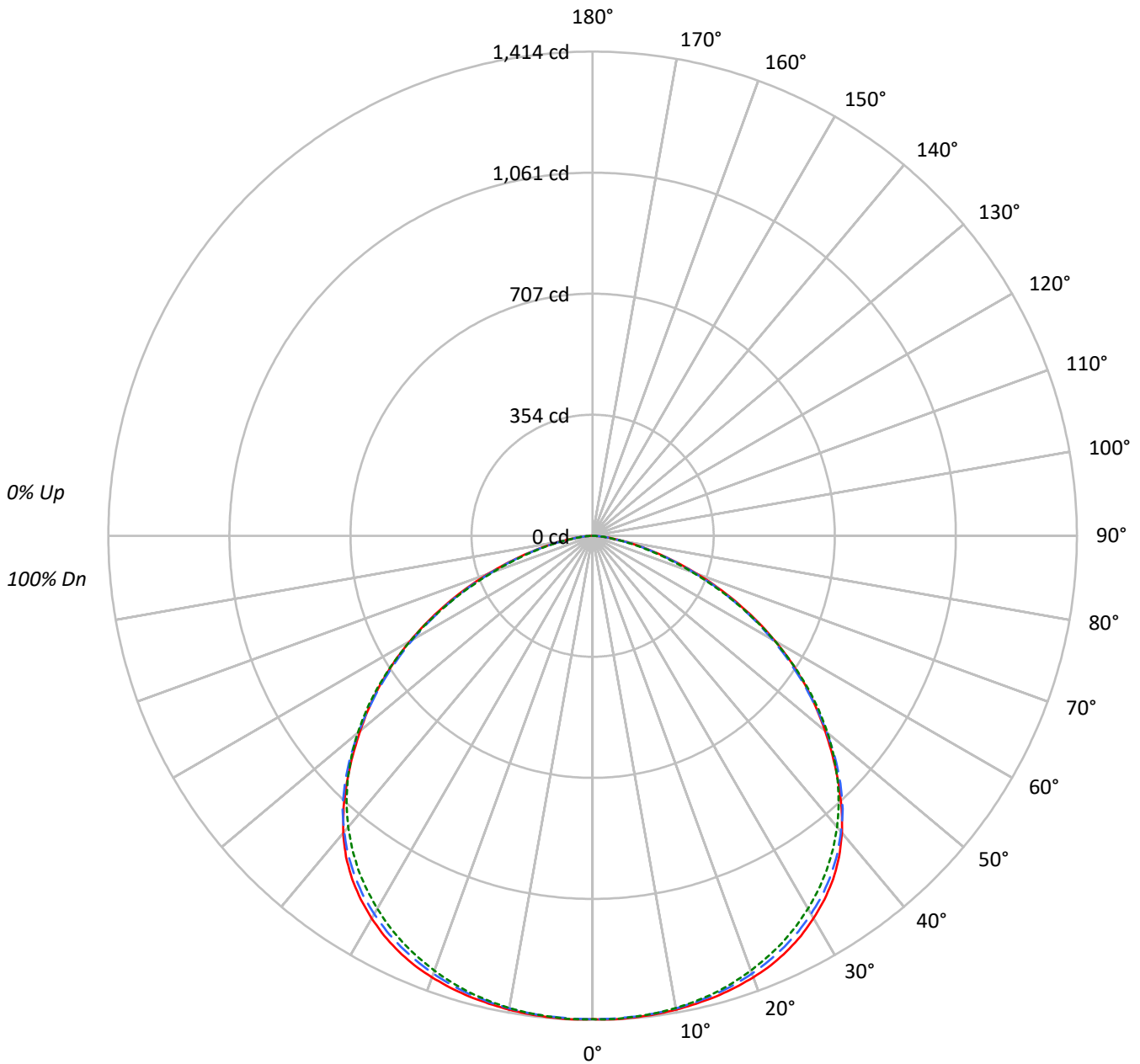
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4050.3 lumens
Efficiency: N/A
Efficacy: 137.8 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): 29.4
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°	1900	1900	1900
5°	1907	1904	1904
10°	1920	1915	1913
15°	1940	1931	1925
20°	1965	1948	1935
25°	1989	1966	1946
30°	2004	1982	1954
35°	2011	1991	1958
40°	1990	1982	1950
45°	1929	1947	1925
50°	1854	1868	1874
55°	1774	1760	1787
60°	1659	1632	1653
65°	1493	1464	1462
70°	1271	1243	1214
75°	1001	979	938
80°	716	695	656
85°	423	418	387



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	3.3
10°-20°	391.9	9.7
20°-30°	610.9	15.1
30°-40°	755.9	18.7
40°-50°	783.6	19.3
50°-60°	674.7	16.7
60°-70°	457.8	11.3
70°-80°	204.3	5.0
80°-90°	36.8	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°	1137.1	28.1
0°-40°	1893.1	46.7
0°-60°	3351.4	82.7
0°-90°	4050.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4050.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1412	1410	1410	1410	1410	135
15°	1393	1389	1386	1383	1382	394
25°	1340	1335	1324	1315	1311	618
35°	1224	1221	1212	1199	1192	764
45°	1014	1018	1023	1019	1012	781
55°	756	757	750	759	762	674
65°	469	471	460	455	459	464
75°	192	194	188	184	180	209
85°	27	28	27	27	25	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1411.9	1411.9	1411.9	1411.9	1411.9
2.5°	1413.8	1410.7	1411.1	1411.5	1413.0
5°	1411.9	1409.9	1409.6	1409.6	1409.9
7.5°	1409.6	1407.2	1406.9	1406.5	1406.5
10°	1405.3	1403.0	1401.4	1400.7	1400.3
12.5°	1399.5	1396.8	1394.9	1393.3	1392.2
15°	1392.9	1389.1	1386.0	1382.9	1381.7
17.5°	1383.7	1380.2	1374.8	1369.7	1367.8
20°	1372.1	1368.6	1360.8	1353.9	1351.2
22.5°	1358.5	1353.5	1343.8	1336.1	1332.2
25°	1339.6	1334.6	1324.5	1314.8	1311.0
27.5°	1317.5	1312.9	1302.1	1290.5	1285.8
30°	1290.1	1287.0	1275.4	1262.6	1257.6
32.5°	1259.6	1256.5	1246.4	1232.1	1226.3
35°	1224.4	1220.9	1212.0	1198.9	1191.9
37.5°	1182.6	1181.5	1173.0	1159.4	1152.9
40°	1132.8	1135.1	1128.5	1116.9	1110.3
42.5°	1075.9	1080.9	1080.9	1070.1	1063.5
45°	1013.7	1018.3	1023.0	1019.1	1011.7
47.5°	949.9	954.9	960.3	961.9	955.7
50°	885.7	888.8	892.3	899.2	895.4
52.5°	821.9	823.1	821.9	831.2	830.4
55°	756.2	756.6	750.4	758.9	761.6
57.5°	687.8	688.9	678.9	683.5	689.3
60°	616.6	617.8	606.6	607.4	614.3
62.5°	543.2	544.7	533.5	530.8	537.0
65°	469.0	470.9	459.7	454.6	459.3
67.5°	395.1	397.4	387.0	380.8	382.0
70°	323.2	325.1	315.9	310.1	308.5
72.5°	254.8	256.7	249.4	243.6	240.9
75°	192.5	194.1	188.3	184.0	180.5
77.5°	138.4	139.6	134.9	131.8	128.4
80°	92.4	92.8	89.7	87.8	84.7
82.5°	55.3	55.7	53.7	53.0	50.6
85°	27.4	27.8	27.1	27.1	25.1
87.5°	9.7	9.3	9.7	9.7	8.5
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)