

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: P506622

Luminaire Tested: **24PD-40-PL1-L850**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506622
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-L850
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

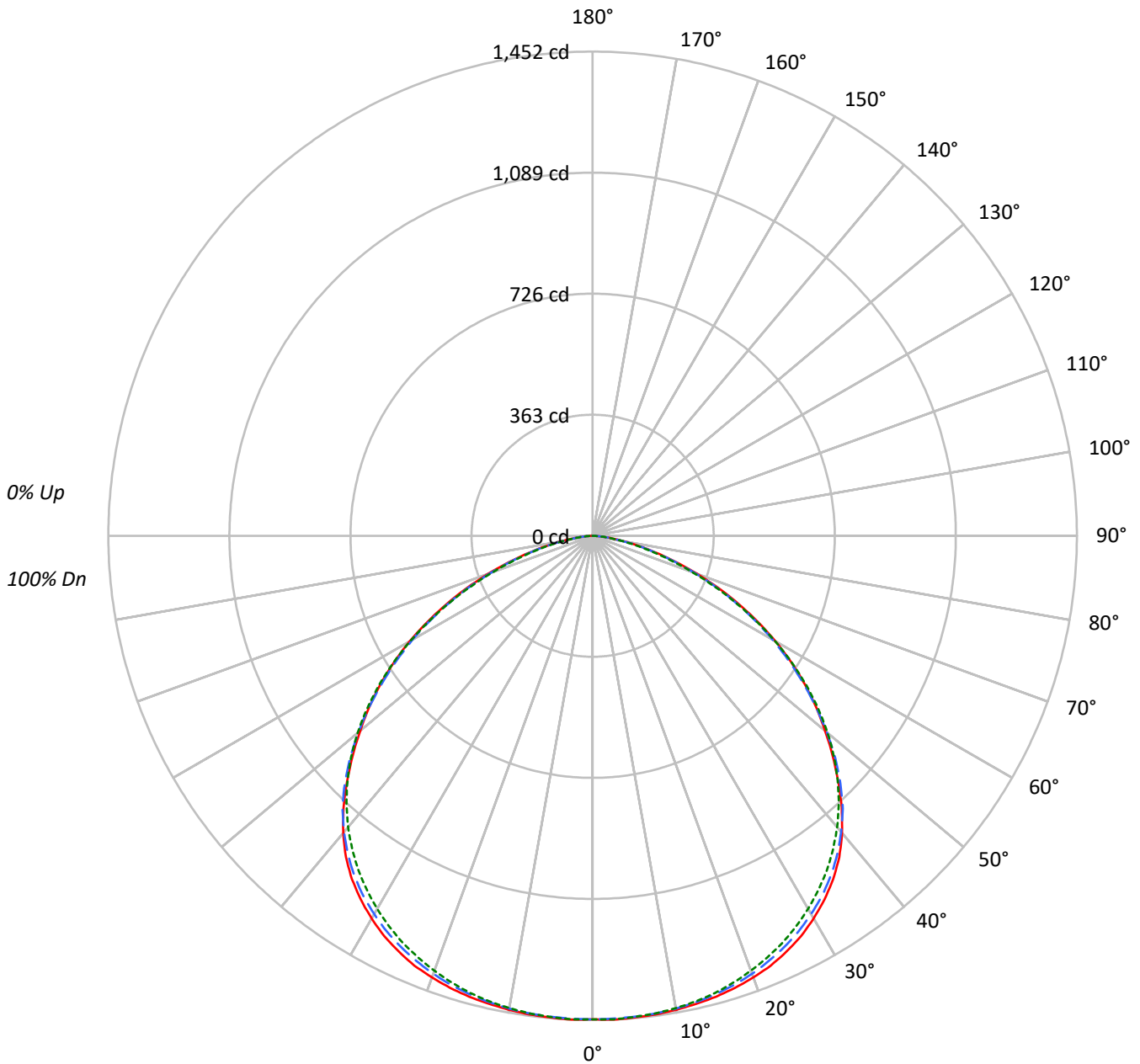
Lumens per Lamp: N/A
Luminaire Lumens: 4160.5 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P506622

CATALOG NUMBER: 24PD-40-PL1-L850

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°	1951	1951	1951
5°	1959	1956	1956
10°	1972	1967	1965
15°	1993	1983	1977
20°	2018	2002	1987
25°	2043	2020	1999
30°	2059	2035	2007
35°	2066	2045	2011
40°	2044	2036	2003
45°	1981	1999	1978
50°	1904	1919	1925
55°	1822	1808	1835
60°	1704	1677	1698
65°	1534	1503	1502
70°	1306	1277	1247
75°	1028	1005	964
80°	735	714	674
85°	435	429	398



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	3.3
10°-20°	402.6	9.7
20°-30°	627.5	15.1
30°-40°	776.5	18.7
40°-50°	805.0	19.3
50°-60°	693.1	16.7
60°-70°	470.3	11.3
70°-80°	209.8	5.0
80°-90°	37.7	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°	1168.1	28.1
0°-40°	1944.6	46.7
0°-60°	3442.7	82.7
0°-90°	4160.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4160.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1450	1450	1450	1450	1450	
5°	1450	1448	1448	1448	1448	138
15°	1431	1427	1424	1420	1419	405
25°	1376	1371	1361	1351	1347	634
35°	1258	1254	1245	1232	1224	785
45°	1041	1046	1051	1047	1039	803
55°	777	777	771	780	782	693
65°	482	484	472	467	472	477
75°	198	199	193	189	186	215
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°	1450.3	1450.3	1450.3	1450.3	1450.3
2.5°	1452.3	1449.1	1449.5	1449.9	1451.5
5°	1450.3	1448.3	1447.9	1447.9	1448.3
7.5°	1447.9	1445.5	1445.1	1444.8	1444.8
10°	1443.6	1441.2	1439.6	1438.8	1438.4
12.5°	1437.6	1434.8	1432.8	1431.2	1430.1
15°	1430.9	1426.9	1423.7	1420.5	1419.3
17.5°	1421.3	1417.7	1412.2	1407.0	1405.0
20°	1409.4	1405.8	1397.9	1390.7	1388.0
22.5°	1395.5	1390.3	1380.4	1372.5	1368.5
25°	1376.0	1370.9	1360.6	1350.6	1346.7
27.5°	1353.4	1348.6	1337.5	1325.6	1320.8
30°	1325.2	1322.0	1310.1	1297.0	1291.9
32.5°	1293.8	1290.7	1280.3	1265.6	1259.7
35°	1257.7	1254.1	1245.0	1231.5	1224.3
37.5°	1214.8	1213.6	1204.9	1191.0	1184.2
40°	1163.6	1166.0	1159.2	1147.3	1140.6
42.5°	1105.2	1110.4	1110.4	1099.2	1092.5
45°	1041.3	1046.0	1050.8	1046.8	1039.3
47.5°	975.7	980.9	986.5	988.1	981.7
50°	909.8	913.0	916.6	923.7	919.7
52.5°	844.3	845.5	844.3	853.8	853.0
55°	776.8	777.2	770.8	779.6	782.3
57.5°	706.5	707.7	697.4	702.1	708.1
60°	633.4	634.6	623.1	623.9	631.0
62.5°	558.0	559.6	548.0	545.3	551.6
65°	481.7	483.7	472.2	467.0	471.8
67.5°	405.9	408.2	397.5	391.2	392.4
70°	332.0	334.0	324.5	318.5	316.9
72.5°	261.7	263.7	256.1	250.2	247.4
75°	197.8	199.4	193.4	189.0	185.5
77.5°	142.2	143.4	138.6	135.4	131.8
80°	94.9	95.3	92.1	90.1	87.0
82.5°	56.8	57.2	55.2	54.4	52.0
85°	28.2	28.6	27.8	27.8	25.8
87.5°	9.9	9.5	9.9	9.9	8.7
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)