

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: P506623

Luminaire Tested: **24PD-40-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506623
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-L927
Description: 4000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

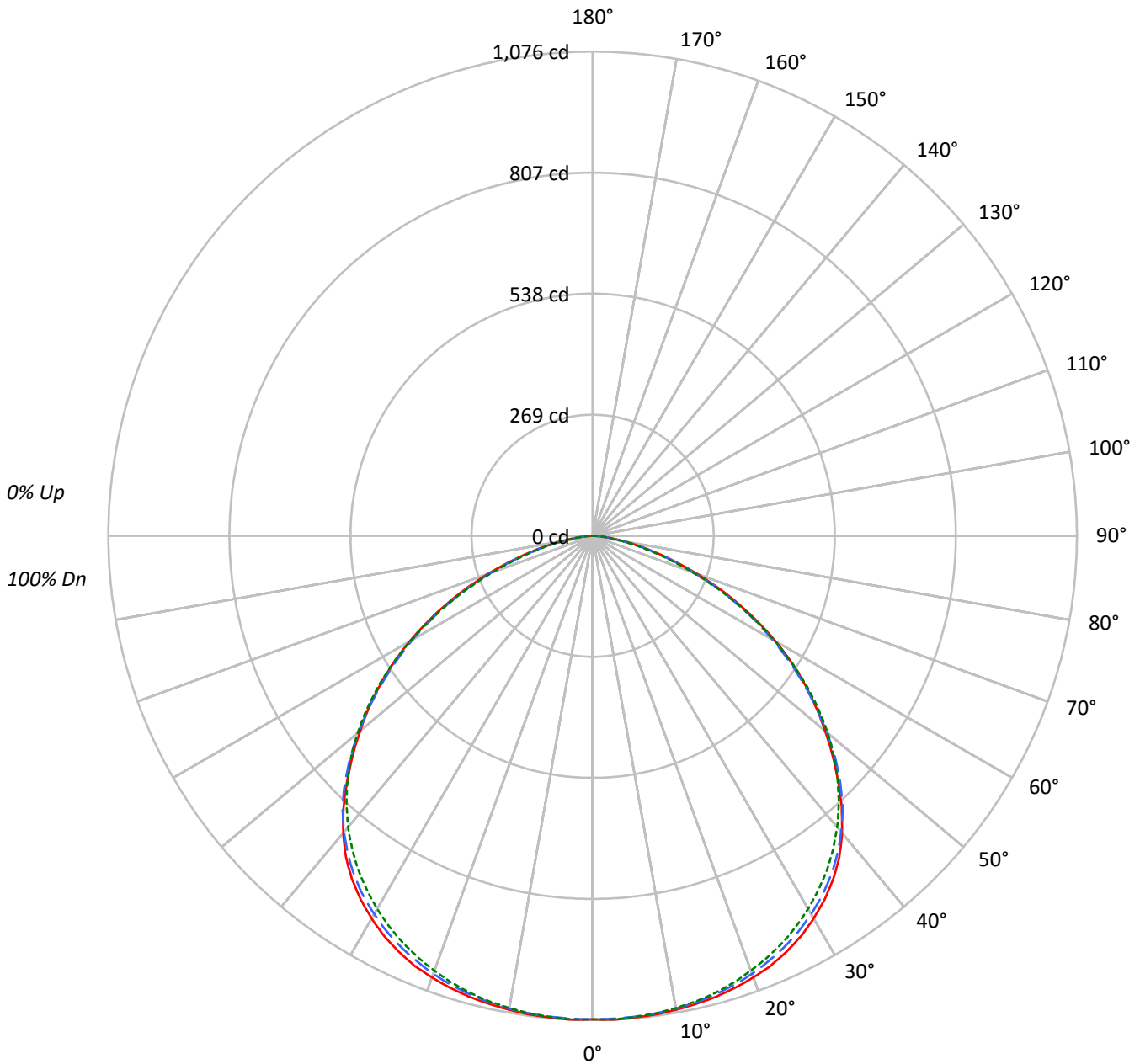
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3083.1 lumens
Efficiency: N/A
Efficacy: 104.9 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: P506623
CATALOG NUMBER: 24PD-40-PL1-L927

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°	1446	1446	1446
5°	1452	1449	1449
10°	1461	1458	1456
15°	1477	1470	1465
20°	1495	1483	1473
25°	1514	1497	1481
30°	1526	1508	1487
35°	1531	1515	1490
40°	1514	1509	1485
45°	1468	1482	1465
50°	1411	1422	1427
55°	1350	1340	1360
60°	1263	1242	1258
65°	1137	1114	1113
70°	968	946	924
75°	762	745	714
80°	545	529	499
85°	323	318	295



TEST NUMBER: P506623

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.3	3.3
10°-20°	298.3	9.7
20°-30°	465.0	15.1
30°-40°	575.4	18.7
40°-50°	596.5	19.3
50°-60°	513.6	16.7
60°-70°	348.5	11.3
70°-80°	155.5	5.0
80°-90°	28.0	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°	865.6	28.1
0°-40°	1441.0	46.7
0°-60°	2551.1	82.7
0°-90°	3083.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3083.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1075	1075	1075	1075	1075	
5°	1075	1073	1073	1073	1073	102
15°	1060	1057	1055	1053	1052	300
25°	1020	1016	1008	1001	998	470
35°	932	929	923	913	907	582
45°	772	775	779	776	770	595
55°	576	576	571	578	580	513
65°	357	358	350	346	350	353
75°	147	148	143	140	137	159
85°	21	21	21	21	19	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1074.7	1074.7	1074.7	1074.7	1074.7
2.5°	1076.2	1073.8	1074.1	1074.4	1075.6
5°	1074.7	1073.2	1073.0	1073.0	1073.2
7.5°	1073.0	1071.2	1070.9	1070.6	1070.6
10°	1069.7	1068.0	1066.8	1066.2	1065.9
12.5°	1065.3	1063.2	1061.8	1060.6	1059.7
15°	1060.3	1057.4	1055.0	1052.6	1051.8
17.5°	1053.2	1050.6	1046.5	1042.6	1041.2
20°	1044.4	1041.8	1035.9	1030.6	1028.5
22.5°	1034.1	1030.3	1022.9	1017.0	1014.1
25°	1019.7	1015.9	1008.2	1000.9	997.9
27.5°	1002.9	999.4	991.1	982.3	978.8
30°	982.0	979.7	970.8	961.1	957.3
32.5°	958.8	956.4	948.8	937.9	933.5
35°	932.0	929.3	922.6	912.6	907.3
37.5°	900.2	899.3	892.9	882.6	877.5
40°	862.2	864.0	859.0	850.2	845.2
42.5°	819.0	822.8	822.8	814.6	809.6
45°	771.6	775.1	778.7	775.7	770.1
47.5°	723.1	726.9	731.0	732.2	727.5
50°	674.2	676.6	679.2	684.5	681.6
52.5°	625.6	626.5	625.6	632.7	632.1
55°	575.6	575.9	571.2	577.7	579.7
57.5°	523.5	524.4	516.8	520.3	524.7
60°	469.4	470.3	461.7	462.3	467.6
62.5°	413.5	414.6	406.1	404.0	408.8
65°	357.0	358.4	349.9	346.1	349.6
67.5°	300.8	302.5	294.6	289.9	290.8
70°	246.0	247.5	240.4	236.0	234.8
72.5°	193.9	195.4	189.8	185.4	183.3
75°	146.6	147.7	143.3	140.1	137.4
77.5°	105.4	106.2	102.7	100.4	97.7
80°	70.3	70.6	68.3	66.8	64.4
82.5°	42.1	42.4	40.9	40.3	38.6
85°	20.9	21.2	20.6	20.6	19.1
87.5°	7.4	7.1	7.4	7.4	6.5
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)