

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: P506596

Luminaire Tested: **24PD-35-PL1-L927**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506596
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-35-PL1-L927
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
2700K LEDS
Light Source: -
Ballast/Driver: -

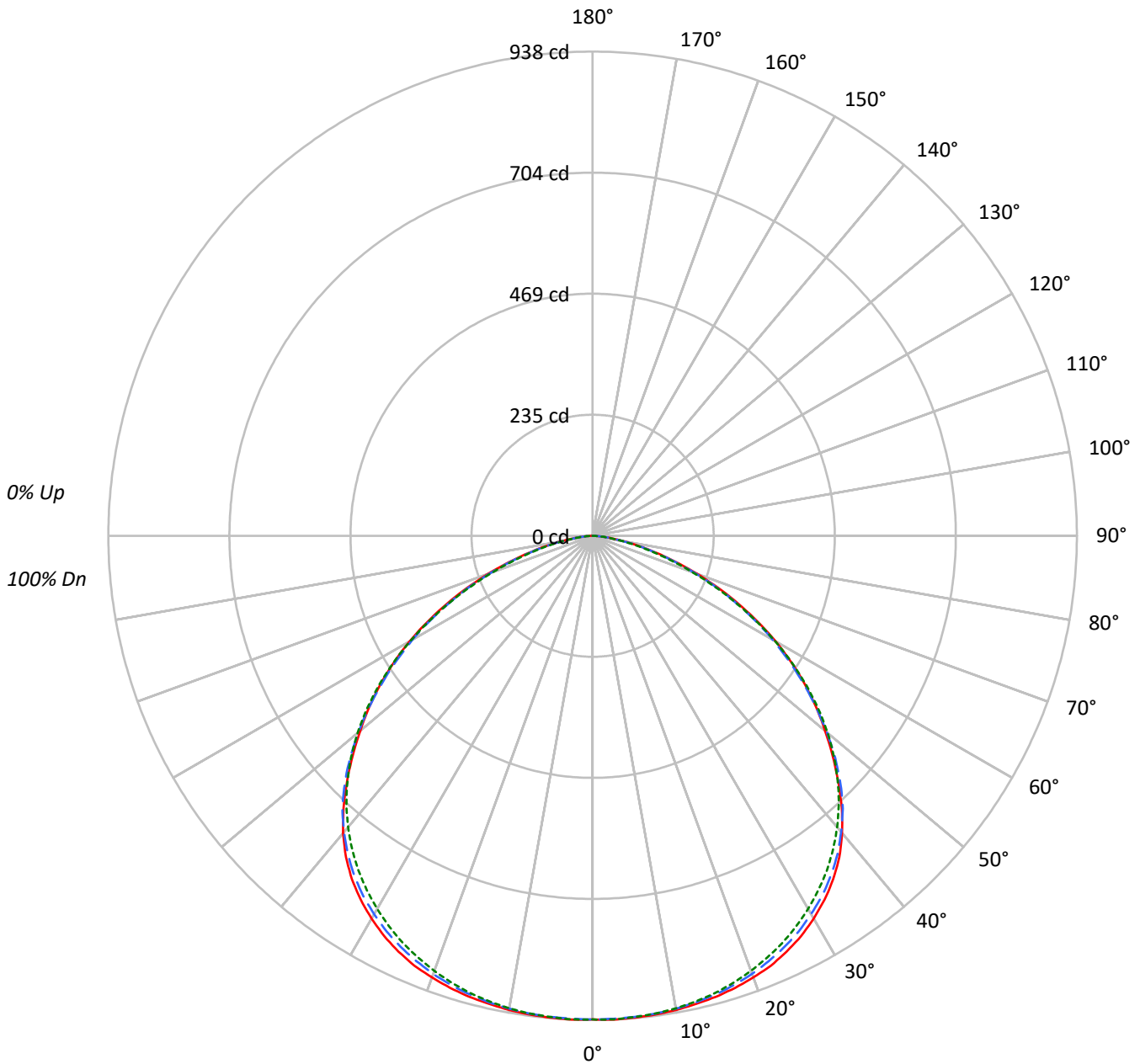
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2688.1 lumens
Efficiency: N/A
Efficacy: 106.3 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): 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	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°	1261	1261	1261
5°	1266	1264	1264
10°	1274	1271	1270
15°	1288	1281	1277
20°	1304	1293	1284
25°	1320	1305	1292
30°	1330	1315	1297
35°	1335	1321	1299
40°	1320	1316	1294
45°	1280	1292	1278
50°	1230	1240	1244
55°	1177	1168	1186
60°	1101	1083	1097
65°	991	971	970
70°	844	825	806
75°	664	650	623
80°	475	461	435
85°	281	278	258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	3.3
10°-20°	260.1	9.7
20°-30°	405.4	15.1
30°-40°	501.7	18.7
40°-50°	520.1	19.3
50°-60°	447.8	16.7
60°-70°	303.8	11.3
70°-80°	135.6	5.0
80°-90°	24.4	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°	754.7	28.1
0°-40°	1256.4	46.7
0°-60°	2224.3	82.7
0°-90°	2688.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2688.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	937	936	936	936	936	89
15°	924	922	920	918	917	261
25°	889	886	879	873	870	410
35°	813	810	804	796	791	507
45°	673	676	679	676	672	519
55°	502	502	498	504	506	448
65°	311	312	305	302	305	308
75°	128	129	125	122	120	139
85°	18	18	18	18	17	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	937.1	937.1	937.1	937.1	937.1
2.5°	938.3	936.3	936.5	936.8	937.8
5°	937.1	935.8	935.5	935.5	935.8
7.5°	935.5	934.0	933.7	933.5	933.5
10°	932.7	931.2	930.1	929.6	929.4
12.5°	928.8	927.1	925.8	924.7	924.0
15°	924.5	921.9	919.9	917.8	917.0
17.5°	918.3	916.0	912.4	909.1	907.8
20°	910.6	908.3	903.2	898.6	896.8
22.5°	901.7	898.3	891.9	886.8	884.2
25°	889.1	885.7	879.1	872.7	870.1
27.5°	874.5	871.4	864.2	856.5	853.4
30°	856.2	854.2	846.5	838.0	834.7
32.5°	836.0	833.9	827.2	817.7	813.9
35°	812.6	810.3	804.4	795.7	791.1
37.5°	784.9	784.1	778.5	769.5	765.1
40°	751.8	753.3	749.0	741.3	736.9
42.5°	714.1	717.4	717.4	710.2	705.9
45°	672.8	675.9	678.9	676.4	671.5
47.5°	630.4	633.8	637.4	638.4	634.3
50°	587.8	589.9	592.2	596.8	594.3
52.5°	545.5	546.3	545.5	551.7	551.2
55°	501.9	502.1	498.0	503.7	505.5
57.5°	456.5	457.2	450.6	453.6	457.5
60°	409.3	410.0	402.6	403.1	407.7
62.5°	360.5	361.5	354.1	352.3	356.4
65°	311.2	312.5	305.1	301.7	304.8
67.5°	262.2	263.8	256.8	252.7	253.5
70°	214.5	215.8	209.6	205.8	204.8
72.5°	169.1	170.4	165.5	161.7	159.9
75°	127.8	128.8	125.0	122.1	119.8
77.5°	91.9	92.6	89.5	87.5	85.2
80°	61.3	61.6	59.5	58.2	56.2
82.5°	36.7	36.9	35.7	35.2	33.6
85°	18.2	18.5	18.0	18.0	16.7
87.5°	6.4	6.2	6.4	6.4	5.6
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)