

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: P506600

Luminaire Tested: **24PD-35-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506600
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-L950
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

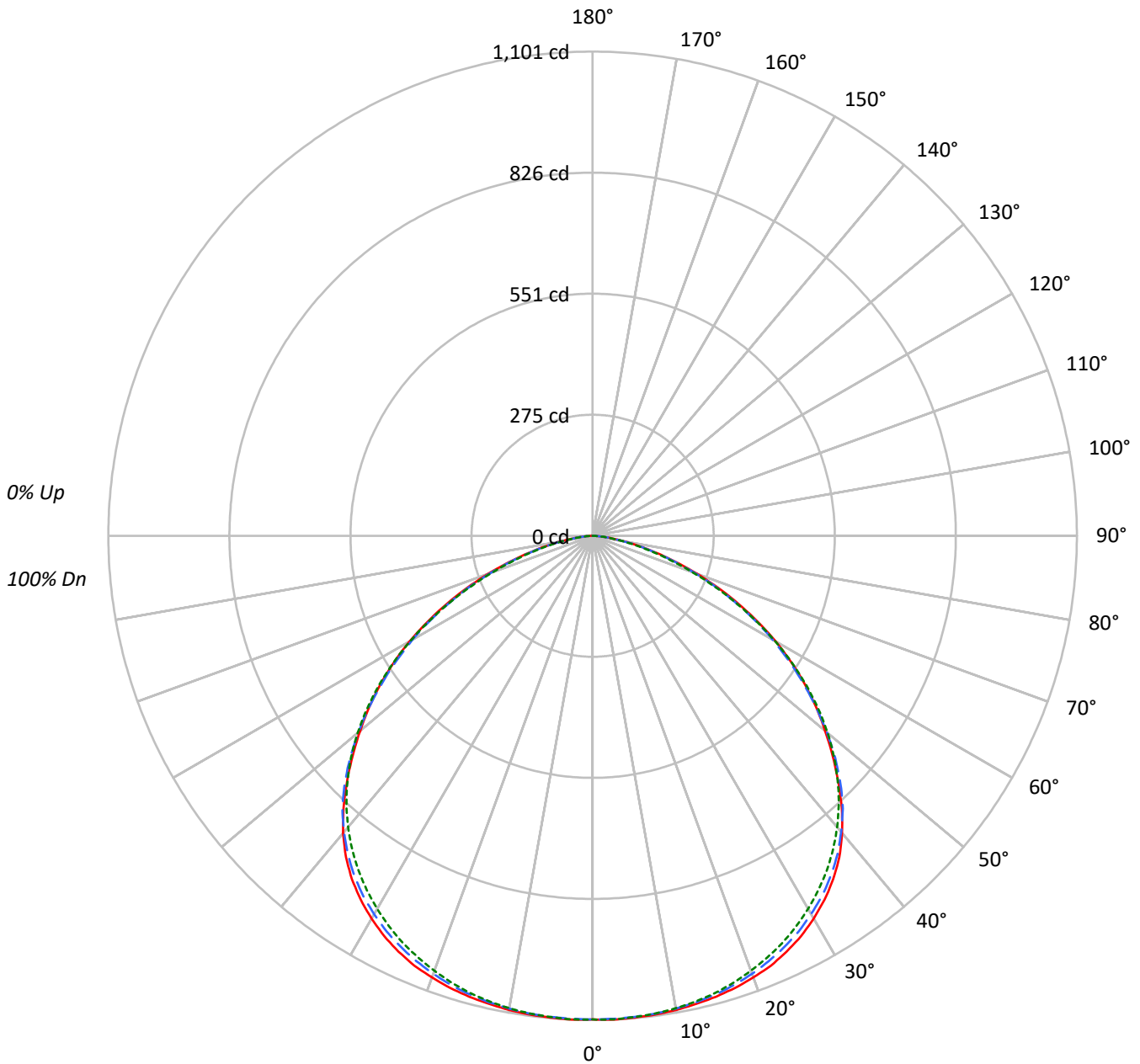
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3155.2 lumens
Efficiency: N/A
Efficacy: 124.7 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					20					
RC	80					70					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°	1480	1480	1480
5°	1486	1483	1484
10°	1496	1492	1490
15°	1511	1504	1499
20°	1530	1518	1507
25°	1549	1532	1516
30°	1561	1544	1522
35°	1567	1551	1525
40°	1550	1544	1519
45°	1503	1516	1500
50°	1444	1455	1460
55°	1382	1371	1392
60°	1293	1271	1288
65°	1163	1140	1139
70°	991	968	945
75°	780	763	731
80°	558	542	511
85°	330	326	303



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	3.3
10°-20°	305.3	9.7
20°-30°	475.9	15.1
30°-40°	588.9	18.7
40°-50°	610.5	19.3
50°-60°	525.6	16.7
60°-70°	356.6	11.3
70°-80°	159.1	5.0
80°-90°	28.6	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°	885.8	28.1
0°-40°	1474.7	46.7
0°-60°	2610.8	82.7
0°-90°	3155.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3155.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1100	1098	1098	1098	1098	105
15°	1085	1082	1080	1077	1076	307
25°	1044	1040	1032	1024	1021	481
35°	954	951	944	934	928	595
45°	790	793	797	794	788	609
55°	589	589	585	591	593	525
65°	365	367	358	354	358	361
75°	150	151	147	143	141	163
85°	21	22	21	21	20	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1099.9	1099.9	1099.9	1099.9	1099.9
2.5°	1101.4	1099.0	1099.3	1099.6	1100.8
5°	1099.9	1098.4	1098.1	1098.1	1098.4
7.5°	1098.1	1096.3	1096.0	1095.7	1095.7
10°	1094.8	1092.9	1091.7	1091.1	1090.8
12.5°	1090.2	1088.1	1086.6	1085.4	1084.5
15°	1085.1	1082.1	1079.7	1077.3	1076.4
17.5°	1077.9	1075.2	1071.0	1067.0	1065.5
20°	1068.9	1066.1	1060.1	1054.7	1052.6
22.5°	1058.3	1054.4	1046.9	1040.8	1037.8
25°	1043.6	1039.6	1031.8	1024.3	1021.3
27.5°	1026.4	1022.8	1014.3	1005.3	1001.7
30°	1005.0	1002.6	993.6	983.6	979.7
32.5°	981.2	978.8	971.0	959.8	955.3
35°	953.8	951.1	944.2	933.9	928.5
37.5°	921.3	920.4	913.8	903.2	898.1
40°	882.4	884.2	879.1	870.1	865.0
42.5°	838.2	842.1	842.1	833.6	828.5
45°	789.7	793.3	796.9	793.9	788.2
47.5°	740.0	743.9	748.1	749.3	744.5
50°	690.0	692.4	695.1	700.5	697.5
52.5°	640.3	641.2	640.3	647.5	646.9
55°	589.1	589.4	584.6	591.2	593.3
57.5°	535.8	536.7	528.9	532.5	537.0
60°	480.4	481.3	472.5	473.1	478.6
62.5°	423.1	424.3	415.6	413.5	418.3
65°	365.3	366.8	358.1	354.2	357.8
67.5°	307.8	309.6	301.5	296.7	297.6
70°	251.8	253.3	246.1	241.5	240.3
72.5°	198.5	200.0	194.3	189.7	187.6
75°	150.0	151.2	146.7	143.4	140.6
77.5°	107.8	108.7	105.1	102.7	100.0
80°	72.0	72.3	69.9	68.4	66.0
82.5°	43.1	43.4	41.9	41.3	39.5
85°	21.4	21.7	21.1	21.1	19.6
87.5°	7.5	7.2	7.5	7.5	6.6
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)