

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: P506598

Luminaire Tested: **24PD-35-PL1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506598
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-L935
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

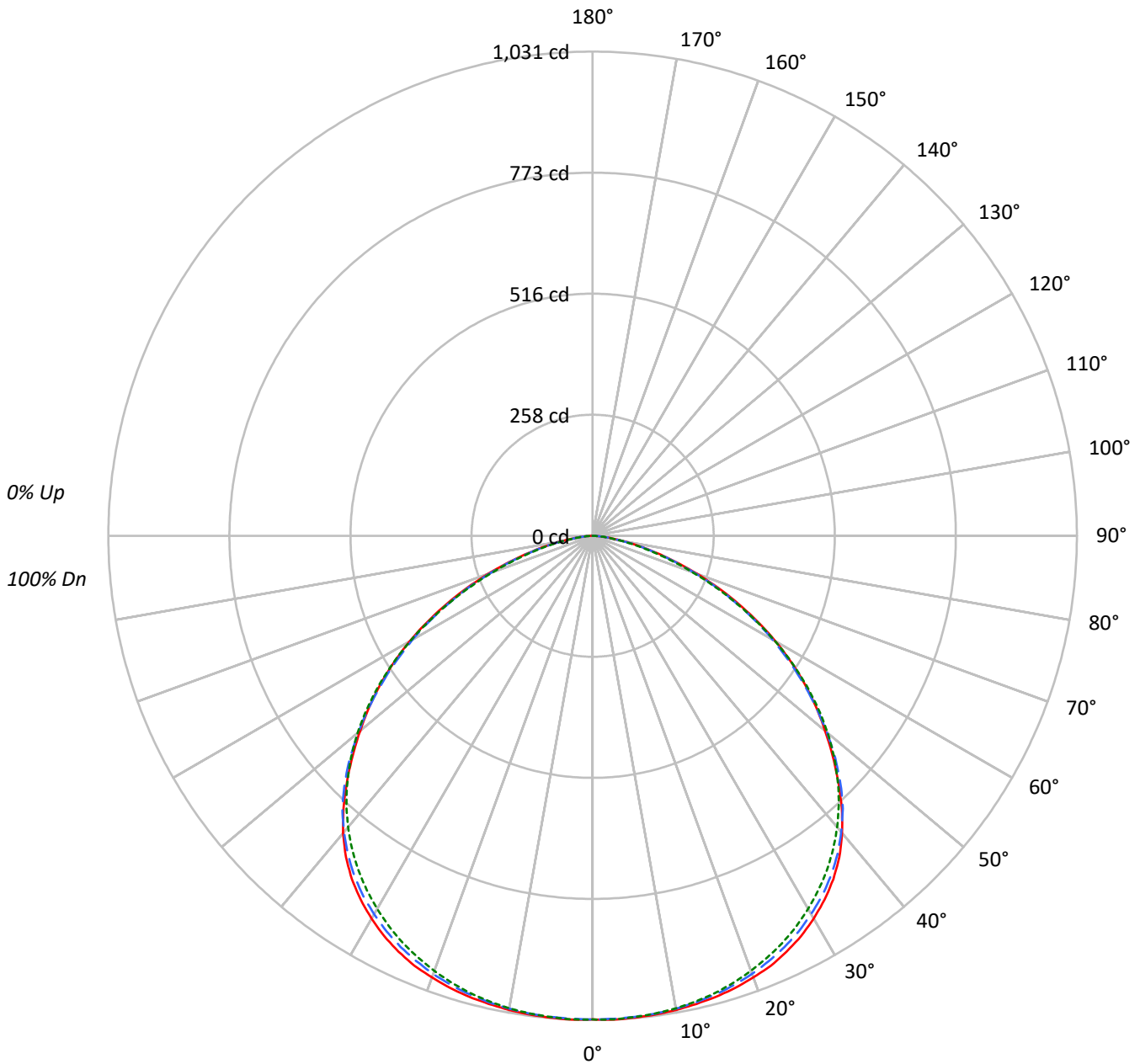
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2954.7 lumens
Efficiency: N/A
Efficacy: 116.8 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): 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°	1386	1386	1386
5°	1391	1389	1389
10°	1401	1397	1396
15°	1416	1408	1404
20°	1433	1422	1411
25°	1451	1435	1420
30°	1462	1446	1425
35°	1467	1452	1428
40°	1451	1446	1423
45°	1407	1420	1404
50°	1352	1362	1367
55°	1294	1284	1303
60°	1210	1191	1206
65°	1089	1067	1067
70°	928	906	886
75°	730	714	685
80°	522	507	479
85°	309	304	283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	3.3
10°-20°	285.9	9.7
20°-30°	445.7	15.1
30°-40°	551.5	18.7
40°-50°	571.7	19.3
50°-60°	492.2	16.7
60°-70°	334.0	11.3
70°-80°	149.0	5.0
80°-90°	26.8	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°	829.6	28.1
0°-40°	1381.0	46.7
0°-60°	2445.0	82.7
0°-90°	2954.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2954.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1030	1030	1030	1030	1030	
5°	1030	1029	1028	1028	1029	98
15°	1016	1013	1011	1009	1008	287
25°	977	974	966	959	956	451
35°	893	891	884	875	870	557
45°	740	743	746	743	738	570
55°	552	552	547	554	556	492
65°	342	344	335	332	335	338
75°	140	142	137	134	132	152
85°	20	20	20	20	18	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1030.0	1030.0	1030.0	1030.0	1030.0
2.5°	1031.4	1029.2	1029.4	1029.7	1030.8
5°	1030.0	1028.6	1028.3	1028.3	1028.6
7.5°	1028.3	1026.6	1026.3	1026.0	1026.0
10°	1025.2	1023.5	1022.4	1021.8	1021.5
12.5°	1021.0	1019.0	1017.6	1016.5	1015.6
15°	1016.2	1013.4	1011.1	1008.8	1008.0
17.5°	1009.4	1006.9	1002.9	999.3	997.8
20°	1000.9	998.4	992.8	987.7	985.7
22.5°	991.1	987.4	980.4	974.7	971.9
25°	977.3	973.6	966.3	959.2	956.4
27.5°	961.2	957.8	949.9	941.4	938.1
30°	941.2	938.9	930.4	921.1	917.5
32.5°	918.9	916.6	909.3	898.8	894.6
35°	893.2	890.7	884.2	874.6	869.5
37.5°	862.7	861.9	855.7	845.8	841.0
40°	826.4	828.1	823.3	814.8	810.0
42.5°	784.9	788.6	788.6	780.7	775.9
45°	739.5	742.9	746.3	743.4	738.1
47.5°	693.0	696.6	700.6	701.7	697.2
50°	646.1	648.4	650.9	656.0	653.2
52.5°	599.6	600.5	599.6	606.4	605.8
55°	551.7	551.9	547.4	553.6	555.6
57.5°	501.7	502.6	495.3	498.6	502.9
60°	449.8	450.7	442.5	443.1	448.2
62.5°	396.3	397.4	389.2	387.2	391.7
65°	342.1	343.5	335.3	331.7	335.1
67.5°	288.2	289.9	282.3	277.8	278.7
70°	235.8	237.2	230.4	226.2	225.1
72.5°	185.9	187.3	181.9	177.7	175.7
75°	140.5	141.6	137.4	134.2	131.7
77.5°	101.0	101.8	98.4	96.2	93.6
80°	67.4	67.7	65.4	64.0	61.8
82.5°	40.3	40.6	39.2	38.6	36.9
85°	20.0	20.3	19.7	19.7	18.3
87.5°	7.1	6.8	7.1	7.1	6.2
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)