

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: P506566

Luminaire Tested: **24PD-30-PL1-L835**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506566
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-30-PL1-L835
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

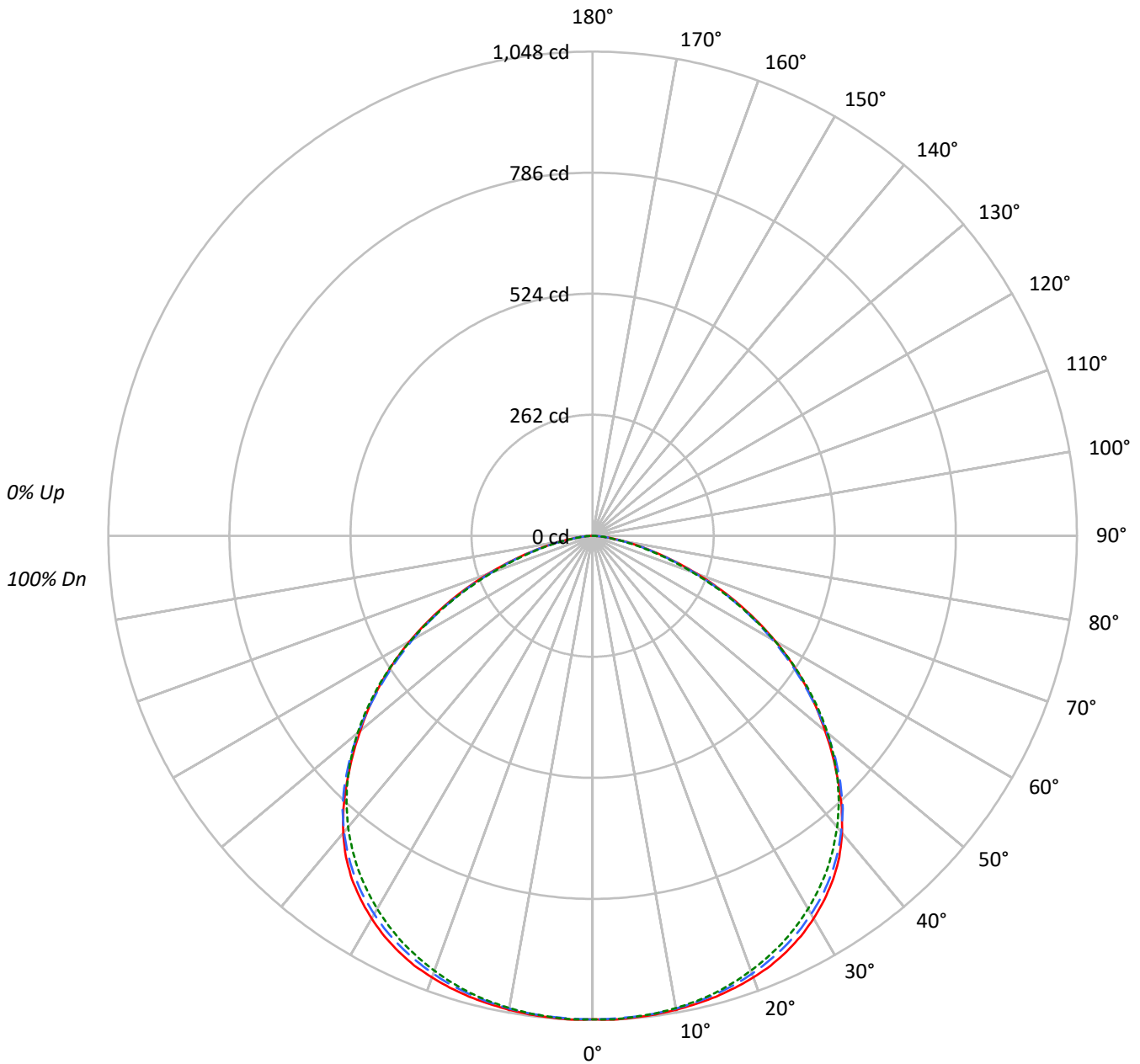
Lumens per Lamp: N/A
Luminaire Lumens: 3002.9 lumens
Efficiency: N/A
Efficacy: 141.0 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.3
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°	1408	1408	1408
5°	1414	1411	1412
10°	1423	1420	1418
15°	1439	1431	1427
20°	1456	1445	1434
25°	1474	1458	1443
30°	1486	1469	1449
35°	1491	1476	1452
40°	1475	1470	1446
45°	1430	1443	1427
50°	1375	1385	1389
55°	1315	1305	1325
60°	1230	1210	1226
65°	1107	1085	1084
70°	943	921	900
75°	742	726	696
80°	531	515	487
85°	315	310	287



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	3.3
10°-20°	290.6	9.7
20°-30°	452.9	15.1
30°-40°	560.5	18.7
40°-50°	581.0	19.3
50°-60°	500.2	16.7
60°-70°	339.4	11.3
70°-80°	151.5	5.0
80°-90°	27.3	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°	843.1	28.1
0°-40°	1403.5	46.7
0°-60°	2484.8	82.7
0°-90°	3002.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3002.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	1047	1045	1045	1045	1045	100
15°	1033	1030	1028	1025	1024	292
25°	993	989	982	975	972	458
35°	908	905	899	889	884	567
45°	752	755	758	756	750	579
55°	561	561	556	563	565	500
65°	348	349	341	337	340	344
75°	143	144	140	136	134	155
85°	20	21	20	20	19	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1046.8	1046.8	1046.8	1046.8	1046.8
2.5°	1048.2	1045.9	1046.2	1046.5	1047.6
5°	1046.8	1045.3	1045.0	1045.0	1045.3
7.5°	1045.0	1043.3	1043.0	1042.8	1042.8
10°	1041.9	1040.2	1039.0	1038.5	1038.2
12.5°	1037.6	1035.6	1034.2	1033.0	1032.1
15°	1032.7	1029.9	1027.6	1025.3	1024.4
17.5°	1025.8	1023.3	1019.3	1015.5	1014.1
20°	1017.2	1014.7	1008.9	1003.8	1001.8
22.5°	1007.2	1003.5	996.3	990.6	987.7
25°	993.2	989.4	982.0	974.8	972.0
27.5°	976.8	973.4	965.4	956.8	953.3
30°	956.5	954.2	945.6	936.1	932.4
32.5°	933.8	931.5	924.1	913.5	909.2
35°	907.8	905.2	898.6	888.8	883.7
37.5°	876.8	875.9	869.6	859.6	854.7
40°	839.8	841.5	836.7	828.1	823.2
42.5°	797.7	801.4	801.4	793.4	788.5
45°	751.5	755.0	758.4	755.6	750.1
47.5°	704.2	708.0	712.0	713.1	708.5
50°	656.7	659.0	661.5	666.7	663.8
52.5°	609.4	610.2	609.4	616.3	615.7
55°	560.6	560.9	556.3	562.7	564.7
57.5°	509.9	510.8	503.3	506.8	511.1
60°	457.2	458.0	449.7	450.3	455.5
62.5°	402.7	403.9	395.5	393.5	398.1
65°	347.7	349.1	340.8	337.1	340.5
67.5°	292.9	294.7	286.9	282.3	283.2
70°	239.6	241.1	234.2	229.9	228.7
72.5°	188.9	190.3	184.9	180.6	178.6
75°	142.7	143.9	139.6	136.4	133.9
77.5°	102.6	103.5	100.0	97.7	95.2
80°	68.5	68.8	66.5	65.1	62.8
82.5°	41.0	41.3	39.8	39.3	37.5
85°	20.4	20.6	20.1	20.1	18.6
87.5°	7.2	6.9	7.2	7.2	6.3
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)