

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: P506575

Luminaire Tested: **24PD-30-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-30-PR1-L835
Description: 3000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

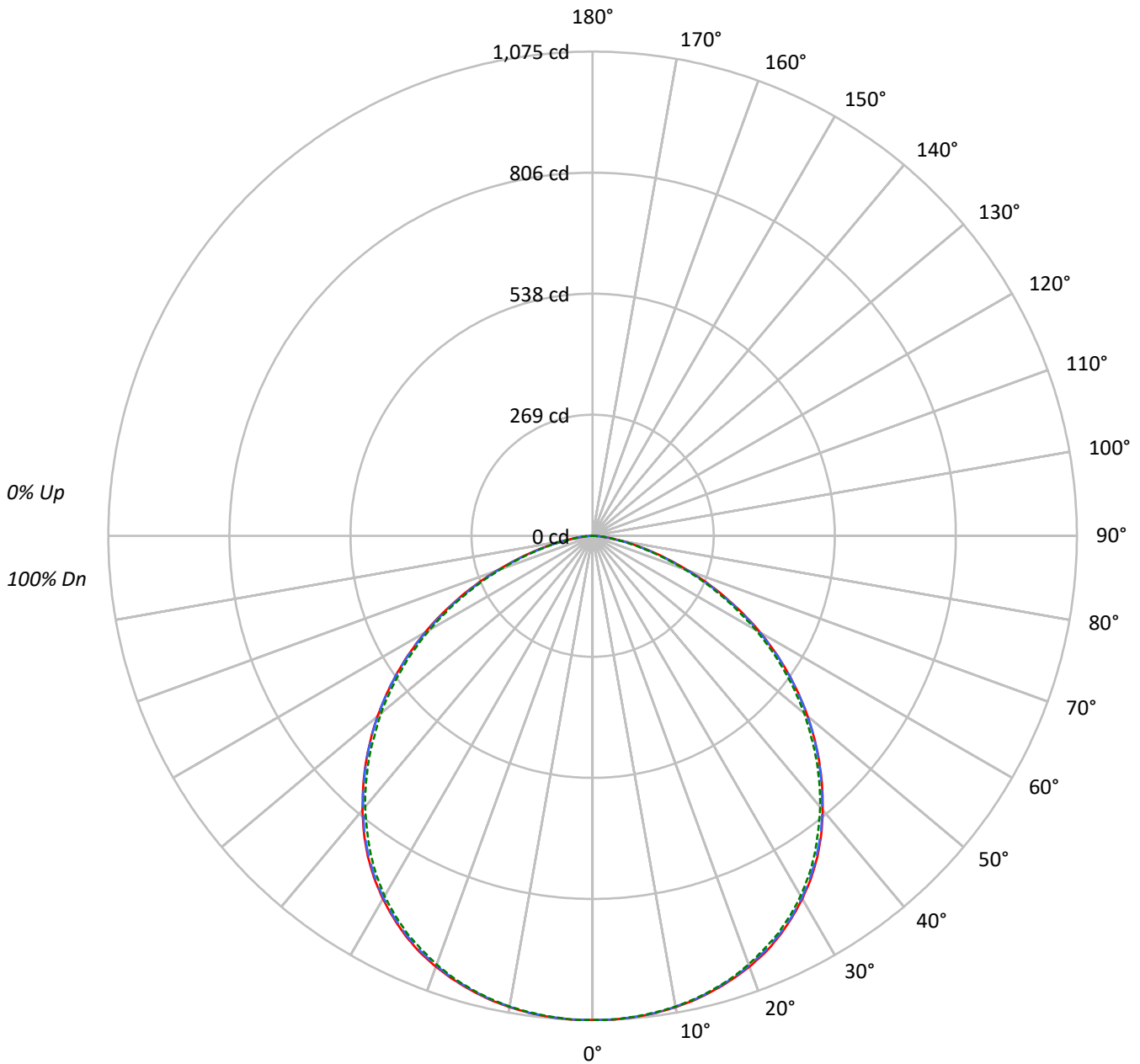
Lumens per Lamp: N/A
Luminaire Lumens: 2894.0 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1446	1446	1446
5°	1449	1448	1447
10°	1452	1450	1450
15°	1455	1453	1451
20°	1458	1454	1450
25°	1456	1452	1446
30°	1446	1442	1435
35°	1429	1424	1413
40°	1396	1392	1380
45°	1354	1352	1337
50°	1304	1303	1284
55°	1240	1237	1214
60°	1156	1151	1125
65°	1041	1029	1005
70°	889	876	854
75°	703	687	671
80°	499	486	471
85°	299	292	283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.0	3.5
10°-20°	294.6	10.2
20°-30°	450.3	15.6
30°-40°	540.8	18.7
40°-50°	546.5	18.9
50°-60°	469.6	16.2
60°-70°	320.3	11.1
70°-80°	144.0	5.0
80°-90°	25.9	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°	846.9	29.3
0°-40°	1387.7	48.0
0°-60°	2403.8	83.1
0°-90°	2894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2894.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1075	1075	1075	1075	1075	
5°	1073	1072	1072	1072	1072	102
15°	1044	1044	1043	1042	1042	295
25°	981	981	978	975	974	452
35°	870	870	867	862	860	543
45°	712	714	711	706	703	549
55°	529	530	528	523	518	472
65°	327	329	323	321	316	324
75°	135	136	132	131	129	147
85°	19	20	19	19	18	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1075.0	1075.0	1075.0	1075.0	1075.0
2.5°	1075.2	1075.0	1074.7	1074.1	1075.0
5°	1072.7	1072.5	1072.2	1071.6	1071.6
7.5°	1068.9	1068.3	1068.3	1067.5	1067.2
10°	1062.7	1062.5	1061.6	1061.6	1061.4
12.5°	1055.0	1054.4	1053.6	1053.3	1052.8
15°	1044.4	1044.1	1043.0	1042.2	1041.9
17.5°	1032.5	1031.7	1030.8	1028.9	1028.9
20°	1018.0	1017.5	1015.6	1013.6	1012.5
22.5°	1001.4	1000.3	998.1	996.1	993.9
25°	980.8	980.6	978.1	974.7	973.9
27.5°	957.0	957.5	955.0	951.7	950.0
30°	930.9	932.0	928.4	924.2	923.4
32.5°	902.3	902.6	899.5	895.1	893.4
35°	869.8	869.8	867.0	861.7	860.1
37.5°	833.7	833.4	831.8	825.7	822.6
40°	794.6	795.9	792.6	787.1	785.7
42.5°	754.0	755.7	752.6	747.9	744.9
45°	711.8	713.8	710.7	705.7	702.7
47.5°	668.2	669.6	667.4	661.0	656.9
50°	623.0	625.8	622.7	616.0	613.3
52.5°	576.3	579.4	575.8	570.8	565.5
55°	528.6	530.5	527.5	522.8	517.5
57.5°	479.5	483.3	478.3	472.8	468.4
60°	429.5	432.8	427.8	422.8	418.1
62.5°	378.7	380.9	375.3	372.3	366.7
65°	327.0	328.7	323.2	320.9	315.7
67.5°	276.0	277.3	272.1	269.0	266.0
70°	226.0	227.1	222.7	219.9	217.1
72.5°	178.8	179.1	174.9	174.1	170.7
75°	135.2	136.3	132.1	131.3	129.1
77.5°	97.2	97.4	94.7	94.1	92.2
80°	64.4	64.7	62.7	62.5	60.8
82.5°	38.9	39.1	37.5	37.5	36.4
85°	19.4	19.7	18.9	18.9	18.3
87.5°	6.7	6.9	6.7	6.7	6.4
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)