

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: P506278

Luminaire Tested: **22PD-40-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-40-PR1-L835
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

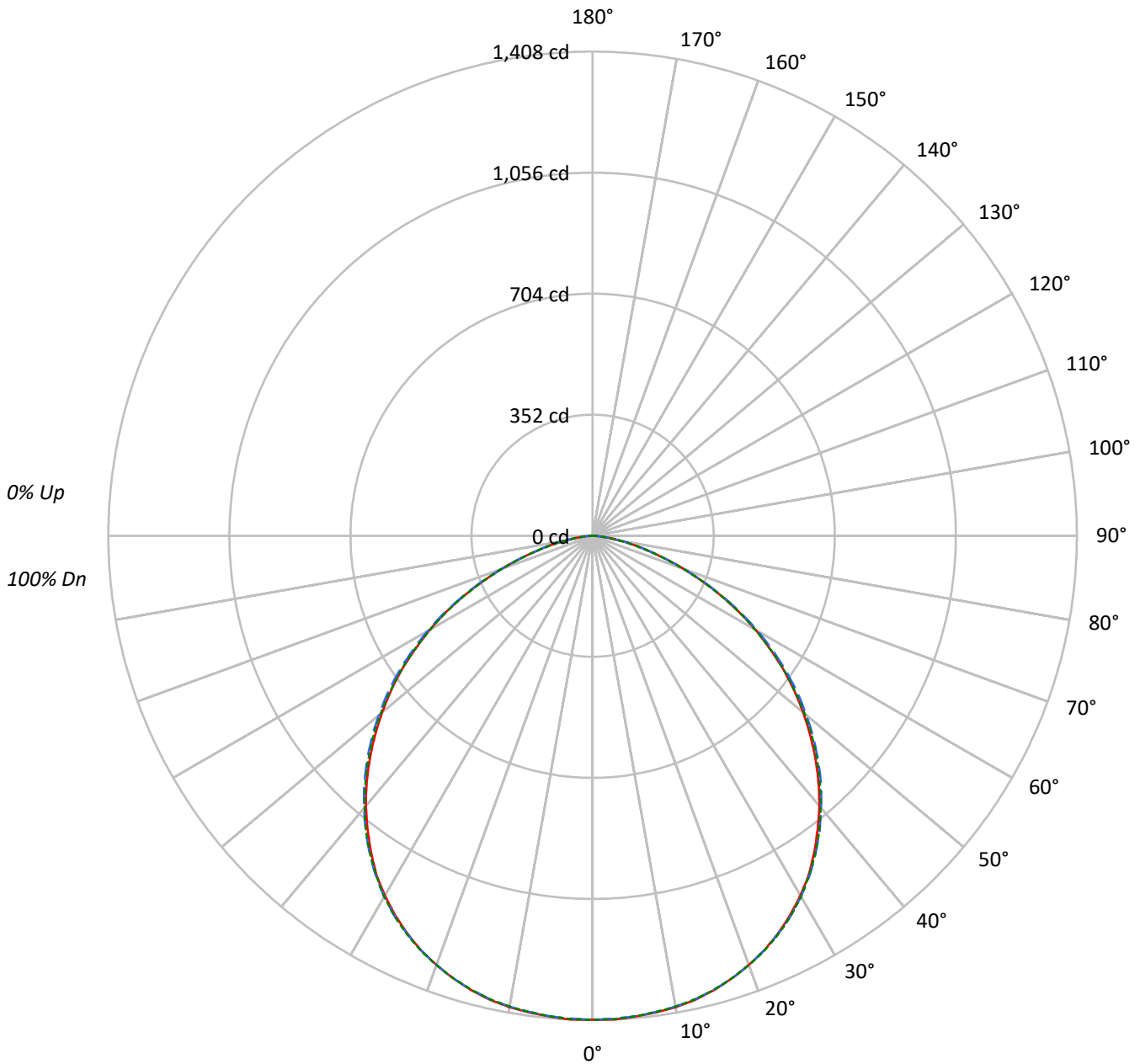
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3760.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85			
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3786	3786	3786
5°	3792	3790	3790
10°	3804	3799	3799
15°	3809	3805	3806
20°	3803	3802	3805
25°	3787	3791	3794
30°	3753	3764	3766
35°	3690	3710	3708
40°	3603	3628	3623
45°	3485	3530	3512
50°	3344	3395	3368
55°	3174	3225	3179
60°	2943	2983	2933
65°	2625	2652	2622
70°	2209	2209	2194
75°	1730	1730	1710
80°	1268	1254	1246
85°	827	827	843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.5	3.6
10°-20°	385.6	10.3
20°-30°	588.2	15.6
30°-40°	704.9	18.7
40°-50°	711.9	18.9
50°-60°	609.1	16.2
60°-70°	410.8	10.9
70°-80°	181.2	4.8
80°-90°	34.8	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°	1107.3	29.4
0°-40°	1812.2	48.2
0°-60°	3133.3	83.3
0°-90°	3760.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3760.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1404	1402	1403	1402	1403	134
15°	1367	1367	1366	1365	1366	386
25°	1276	1277	1277	1277	1278	587
35°	1123	1130	1129	1128	1129	702
45°	916	923	928	926	923	706
55°	676	683	687	686	678	603
65°	412	416	416	416	412	407
75°	166	167	166	167	164	181
85°	27	27	27	27	27	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1407.1	1407.1	1407.1	1407.1	1407.1
2.5°	1408.1	1406.2	1405.7	1405.2	1407.1
5°	1403.8	1401.9	1402.9	1401.9	1402.9
7.5°	1398.7	1396.8	1397.2	1396.3	1397.2
10°	1392.1	1390.2	1390.2	1389.3	1390.2
12.5°	1381.7	1380.3	1379.9	1378.9	1380.3
15°	1367.2	1366.7	1365.7	1365.3	1366.2
17.5°	1349.3	1348.4	1349.3	1347.9	1348.8
20°	1328.1	1328.6	1327.7	1328.1	1328.6
22.5°	1304.2	1304.2	1304.6	1304.6	1305.6
25°	1275.5	1276.9	1276.9	1276.9	1277.8
27.5°	1243.5	1245.4	1246.8	1245.9	1246.8
30°	1207.8	1211.1	1211.5	1211.1	1212.0
32.5°	1169.2	1171.6	1173.0	1172.1	1171.1
35°	1123.2	1129.7	1129.3	1128.3	1128.8
37.5°	1074.7	1081.3	1083.7	1081.8	1082.3
40°	1025.8	1031.5	1032.9	1033.4	1031.5
42.5°	971.8	978.4	983.5	981.2	978.4
45°	915.8	922.9	927.6	926.2	922.9
47.5°	858.0	864.6	871.2	868.8	865.5
50°	798.8	805.3	811.0	810.0	804.4
52.5°	738.1	745.6	750.8	748.9	741.4
55°	676.5	682.6	687.3	686.4	677.5
57.5°	609.8	617.8	620.1	618.7	612.1
60°	546.8	551.9	554.3	552.4	544.9
62.5°	479.5	483.8	485.7	485.2	480.0
65°	412.3	415.6	416.5	415.6	411.8
67.5°	343.2	347.9	348.4	348.4	344.6
70°	280.7	282.1	280.7	284.4	278.8
72.5°	220.0	221.0	220.0	220.0	217.7
75°	166.4	166.9	166.4	166.9	164.5
77.5°	120.4	121.3	119.4	120.8	118.5
80°	81.8	81.8	80.9	81.3	80.4
82.5°	50.8	51.7	50.3	50.3	49.8
85°	26.8	26.8	26.8	27.3	27.3
87.5°	9.4	9.4	9.9	9.9	9.4
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)