

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: P506279

Luminaire Tested: **22PD-40-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506279
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-L840
Description: 4000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

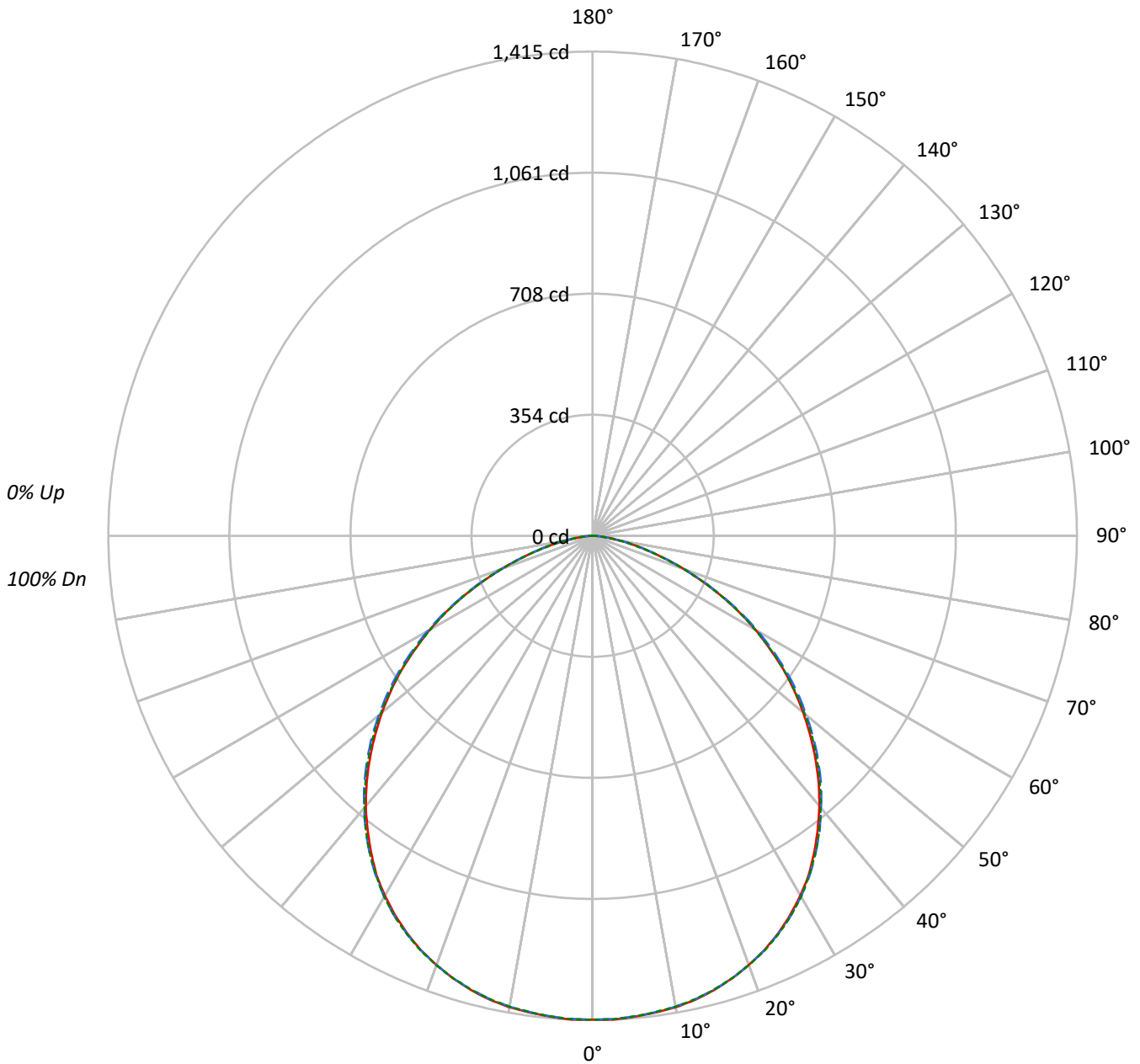
Lumens per Lamp: N/A
Luminaire Lumens: 3779.0 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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									
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	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°	3806	3806	3806
5°	3811	3809	3809
10°	3823	3818	3818
15°	3828	3824	3825
20°	3822	3821	3824
25°	3806	3810	3813
30°	3772	3784	3785
35°	3708	3729	3727
40°	3622	3647	3642
45°	3503	3548	3530
50°	3361	3412	3385
55°	3190	3241	3194
60°	2957	2998	2947
65°	2639	2665	2635
70°	2220	2220	2205
75°	1739	1739	1720
80°	1274	1260	1252
85°	831	831	846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	3.6
10°-20°	387.6	10.3
20°-30°	591.2	15.6
30°-40°	708.5	18.7
40°-50°	715.5	18.9
50°-60°	612.2	16.2
60°-70°	412.8	10.9
70°-80°	182.1	4.8
80°-90°	35.0	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°	1112.9	29.4
0°-40°	1821.4	48.2
0°-60°	3149.1	83.3
0°-90°	3779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1414	1414	1414	1414	1414	
5°	1411	1409	1410	1409	1410	134
15°	1374	1374	1373	1372	1373	388
25°	1282	1283	1283	1283	1284	590
35°	1129	1135	1135	1134	1134	705
45°	920	928	932	931	928	709
55°	680	686	691	690	681	606
65°	414	418	419	418	414	410
75°	167	168	167	168	165	182
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°	1414.2	1414.2	1414.2	1414.2	1414.2
2.5°	1415.2	1413.3	1412.8	1412.3	1414.2
5°	1410.9	1409.0	1410.0	1409.0	1410.0
7.5°	1405.7	1403.8	1404.3	1403.4	1404.3
10°	1399.1	1397.2	1397.2	1396.3	1397.2
12.5°	1388.7	1387.3	1386.8	1385.9	1387.3
15°	1374.1	1373.6	1372.6	1372.2	1373.1
17.5°	1356.1	1355.2	1356.1	1354.7	1355.6
20°	1334.8	1335.3	1334.4	1334.8	1335.3
22.5°	1310.7	1310.7	1311.2	1311.2	1312.2
25°	1281.9	1283.3	1283.3	1283.3	1284.3
27.5°	1249.8	1251.7	1253.1	1252.2	1253.1
30°	1213.9	1217.2	1217.7	1217.2	1218.1
32.5°	1175.1	1177.5	1178.9	1178.0	1177.0
35°	1128.8	1135.4	1135.0	1134.0	1134.5
37.5°	1080.2	1086.8	1089.1	1087.3	1087.7
40°	1031.0	1036.7	1038.1	1038.6	1036.7
42.5°	976.7	983.3	988.5	986.1	983.3
45°	920.5	927.5	932.3	930.8	927.5
47.5°	862.3	869.0	875.6	873.2	869.9
50°	802.8	809.4	815.1	814.1	808.5
52.5°	741.8	749.4	754.6	752.7	745.2
55°	679.9	686.1	690.8	689.9	680.9
57.5°	612.8	620.9	623.2	621.8	615.2
60°	549.5	554.7	557.1	555.2	547.6
62.5°	482.0	486.2	488.1	487.6	482.4
65°	414.4	417.7	418.6	417.7	413.9
67.5°	344.9	349.7	350.1	350.1	346.4
70°	282.1	283.5	282.1	285.9	280.2
72.5°	221.1	222.1	221.1	221.1	218.8
75°	167.3	167.7	167.3	167.7	165.4
77.5°	121.0	121.9	120.0	121.4	119.1
80°	82.2	82.2	81.3	81.7	80.8
82.5°	51.0	52.0	50.6	50.6	50.1
85°	26.9	26.9	26.9	27.4	27.4
87.5°	9.5	9.5	9.9	9.9	9.5
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)