

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: P506337

Luminaire Tested: **22PD-50-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506337
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-50-PR1-L935
Description: 5000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI, 3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

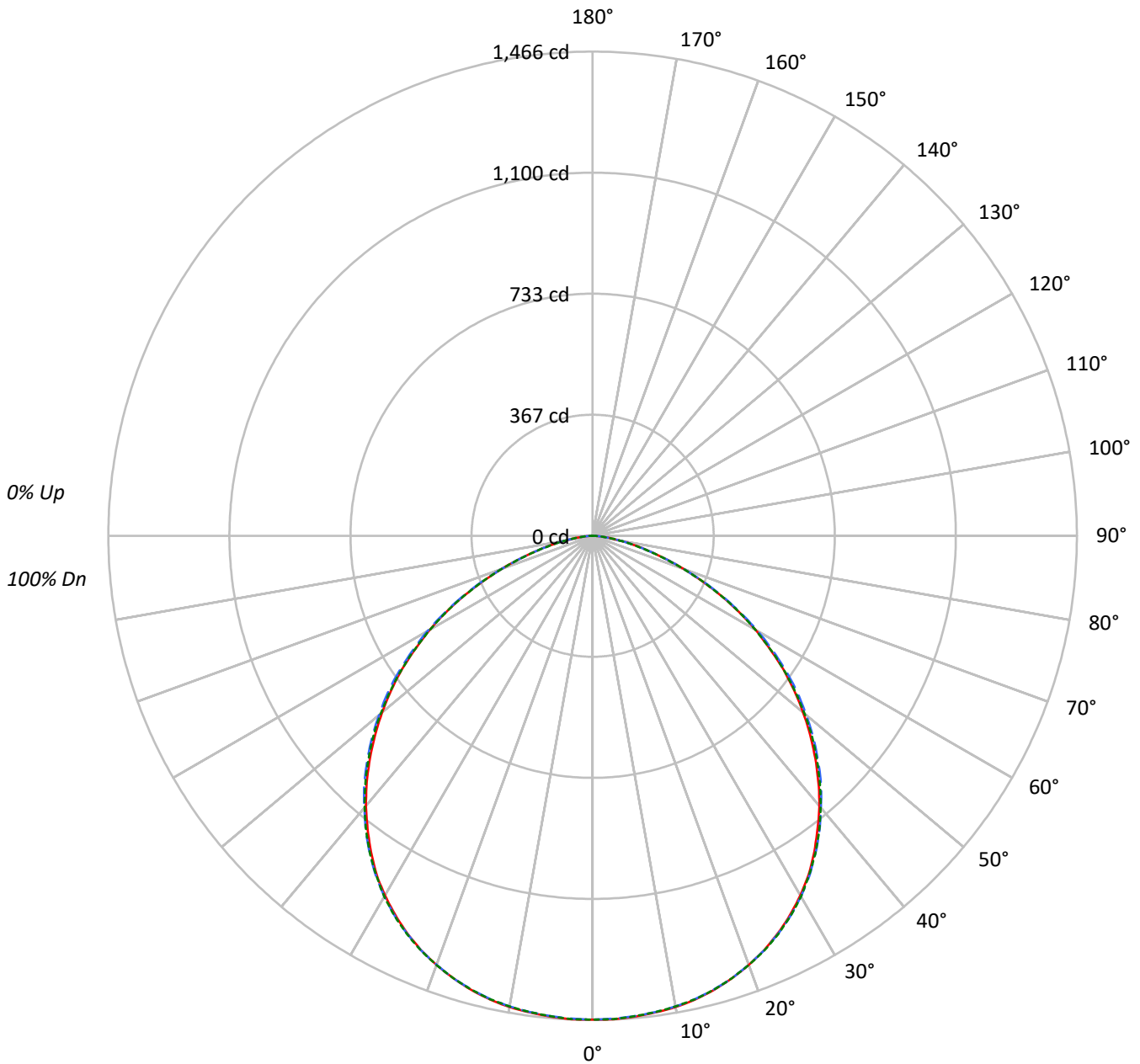
Lumens per Lamp: N/A
Luminaire Lumens: 3914.0 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 41.9
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°	3942	3942	3942
5°	3947	3945	3945
10°	3960	3954	3954
15°	3965	3961	3962
20°	3959	3958	3960
25°	3942	3947	3950
30°	3906	3919	3920
35°	3841	3862	3860
40°	3751	3777	3772
45°	3628	3675	3656
50°	3481	3534	3506
55°	3304	3357	3309
60°	3063	3105	3053
65°	2733	2761	2730
70°	2299	2299	2283
75°	1801	1801	1781
80°	1320	1305	1297
85°	861	861	877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.6
10°-20°	401.4	10.3
20°-30°	612.3	15.6
30°-40°	733.8	18.7
40°-50°	741.1	18.9
50°-60°	634.1	16.2
60°-70°	427.6	10.9
70°-80°	188.6	4.8
80°-90°	36.2	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°	1152.6	29.4
0°-40°	1886.4	48.2
0°-60°	3261.6	83.3
0°-90°	3914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1465	1465	1465	1465	1465	
5°	1461	1459	1460	1459	1460	139
15°	1423	1423	1422	1421	1422	402
25°	1328	1329	1329	1329	1330	612
35°	1169	1176	1176	1174	1175	731
45°	953	961	966	964	961	735
55°	704	711	716	714	705	627
65°	429	433	434	433	429	424
75°	173	174	173	174	171	189
85°	28	28	28	28	28	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1464.8	1464.8	1464.8	1464.8	1464.8
2.5°	1465.7	1463.8	1463.3	1462.8	1464.8
5°	1461.3	1459.4	1460.3	1459.4	1460.3
7.5°	1455.9	1454.0	1454.5	1453.5	1454.5
10°	1449.1	1447.1	1447.1	1446.2	1447.1
12.5°	1438.3	1436.9	1436.4	1435.4	1436.9
15°	1423.2	1422.7	1421.7	1421.2	1422.2
17.5°	1404.6	1403.6	1404.6	1403.1	1404.1
20°	1382.5	1383.0	1382.0	1382.5	1383.0
22.5°	1357.6	1357.6	1358.1	1358.1	1359.0
25°	1327.7	1329.2	1329.2	1329.2	1330.2
27.5°	1294.4	1296.4	1297.9	1296.9	1297.9
30°	1257.2	1260.7	1261.2	1260.7	1261.7
32.5°	1217.1	1219.6	1221.0	1220.1	1219.1
35°	1169.2	1176.0	1175.5	1174.5	1175.0
37.5°	1118.8	1125.6	1128.0	1126.1	1126.6
40°	1067.9	1073.7	1075.2	1075.7	1073.7
42.5°	1011.6	1018.4	1023.8	1021.4	1018.4
45°	953.3	960.7	965.6	964.1	960.7
47.5°	893.1	900.0	906.8	904.4	901.0
50°	831.5	838.3	844.2	843.2	837.4
52.5°	768.3	776.2	781.6	779.6	771.8
55°	704.2	710.6	715.5	714.5	705.2
57.5°	634.7	643.1	645.5	644.0	637.2
60°	569.2	574.5	577.0	575.0	567.2
62.5°	499.2	503.6	505.5	505.1	499.7
65°	429.2	432.6	433.6	432.6	428.7
67.5°	357.3	362.2	362.6	362.6	358.7
70°	292.2	293.6	292.2	296.1	290.2
72.5°	229.0	230.0	229.0	229.0	226.6
75°	173.2	173.7	173.2	173.7	171.3
77.5°	125.3	126.3	124.3	125.8	123.3
80°	85.2	85.2	84.2	84.7	83.7
82.5°	52.9	53.8	52.4	52.4	51.9
85°	27.9	27.9	27.9	28.4	28.4
87.5°	9.8	9.8	10.3	10.3	9.8
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)