

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: P506256

Luminaire Tested: **22PD-35-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506256
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-35-PR1-L935
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

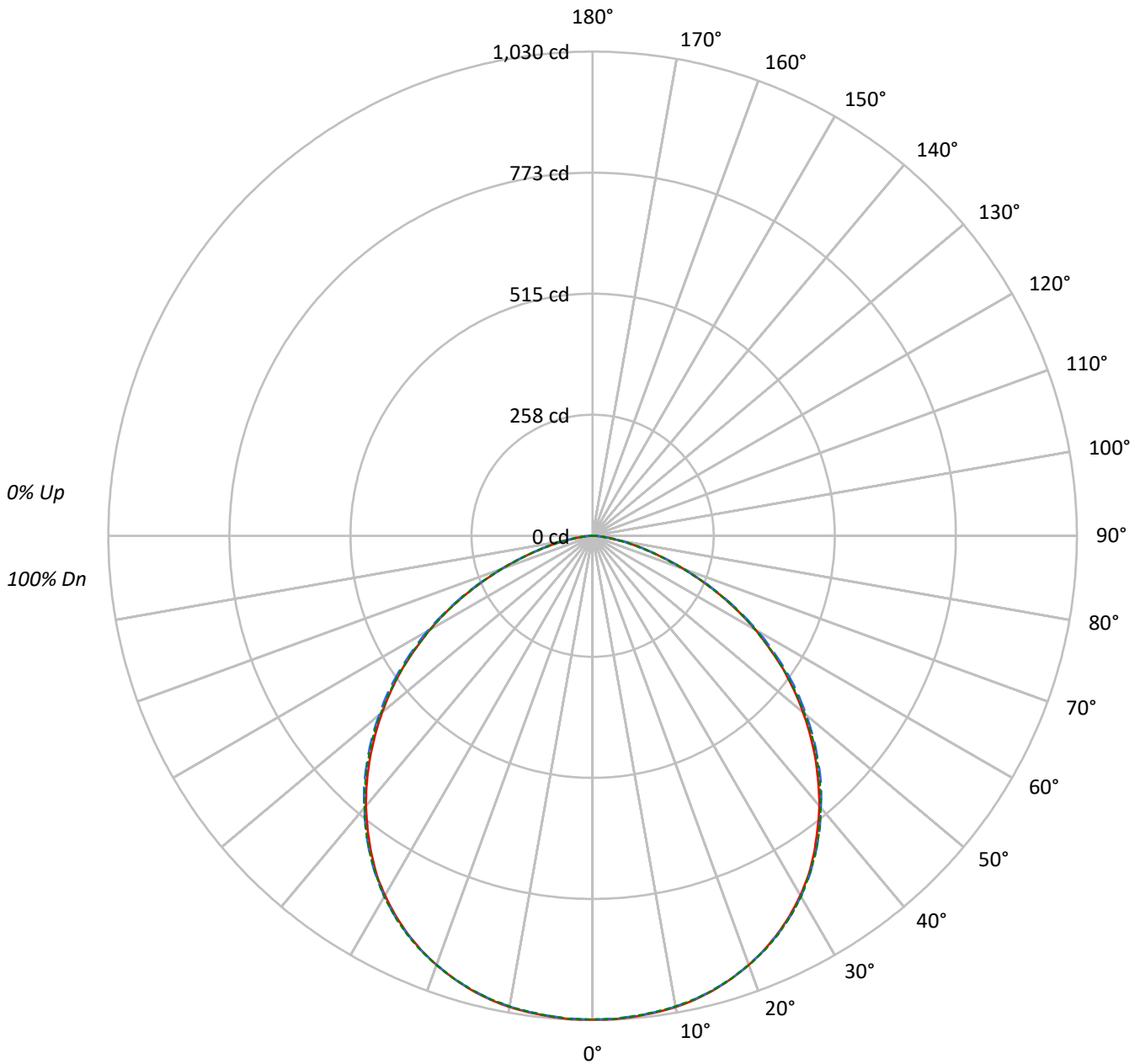
Lumens per Lamp: N/A
Luminaire Lumens: 2750.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	2769	2769	2769
5°	2773	2771	2771
10°	2782	2778	2778
15°	2786	2783	2784
20°	2782	2781	2783
25°	2770	2773	2775
30°	2745	2753	2754
35°	2699	2713	2712
40°	2636	2654	2650
45°	2549	2582	2569
50°	2446	2483	2463
55°	2321	2358	2325
60°	2152	2182	2145
65°	1920	1940	1918
70°	1615	1615	1604
75°	1265	1265	1251
80°	927	916	911
85°	605	605	614



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.6	3.6
10°-20°	282.0	10.3
20°-30°	430.2	15.6
30°-40°	515.6	18.7
40°-50°	520.7	18.9
50°-60°	445.5	16.2
60°-70°	300.4	10.9
70°-80°	132.5	4.8
80°-90°	25.4	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°	809.8	29.4
0°-40°	1325.4	48.2
0°-60°	2291.6	83.3
0°-90°	2750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2750.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1027	1025	1026	1025	1026	98
15°	1000	1000	999	998	999	282
25°	933	934	934	934	935	430
35°	822	826	826	825	826	513
45°	670	675	678	677	675	516
55°	495	499	503	502	496	441
65°	302	304	305	304	301	298
75°	122	122	122	122	120	133
85°	20	20	20	20	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1029.1	1029.1	1029.1	1029.1	1029.1
2.5°	1029.8	1028.5	1028.1	1027.8	1029.1
5°	1026.7	1025.4	1026.0	1025.4	1026.0
7.5°	1023.0	1021.6	1021.9	1021.2	1021.9
10°	1018.1	1016.8	1016.8	1016.1	1016.8
12.5°	1010.6	1009.5	1009.2	1008.5	1009.5
15°	999.9	999.6	998.9	998.5	999.2
17.5°	986.8	986.2	986.8	985.8	986.5
20°	971.4	971.7	971.0	971.4	971.7
22.5°	953.8	953.8	954.2	954.2	954.9
25°	932.9	933.9	933.9	933.9	934.6
27.5°	909.5	910.9	911.9	911.2	911.9
30°	883.4	885.8	886.1	885.8	886.4
32.5°	855.2	856.9	857.9	857.2	856.5
35°	821.5	826.3	825.9	825.2	825.6
37.5°	786.0	790.9	792.6	791.2	791.5
40°	750.3	754.4	755.4	755.8	754.4
42.5°	710.7	715.6	719.3	717.6	715.6
45°	669.8	675.0	678.4	677.4	675.0
47.5°	627.5	632.3	637.2	635.4	633.0
50°	584.2	589.0	593.1	592.5	588.3
52.5°	539.8	545.3	549.1	547.8	542.3
55°	494.8	499.3	502.7	502.0	495.5
57.5°	446.0	451.8	453.5	452.5	447.7
60°	399.9	403.7	405.4	404.0	398.5
62.5°	350.7	353.8	355.2	354.9	351.1
65°	301.6	304.0	304.7	304.0	301.2
67.5°	251.0	254.4	254.8	254.8	252.0
70°	205.3	206.3	205.3	208.0	203.9
72.5°	160.9	161.6	160.9	160.9	159.2
75°	121.7	122.1	121.7	122.1	120.3
77.5°	88.0	88.7	87.3	88.4	86.7
80°	59.8	59.8	59.1	59.5	58.8
82.5°	37.1	37.8	36.8	36.8	36.4
85°	19.6	19.6	19.6	19.9	19.9
87.5°	6.9	6.9	7.2	7.2	6.9
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)