

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: P506249

Luminaire Tested: **22PD-35-PL1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PL1-L950
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

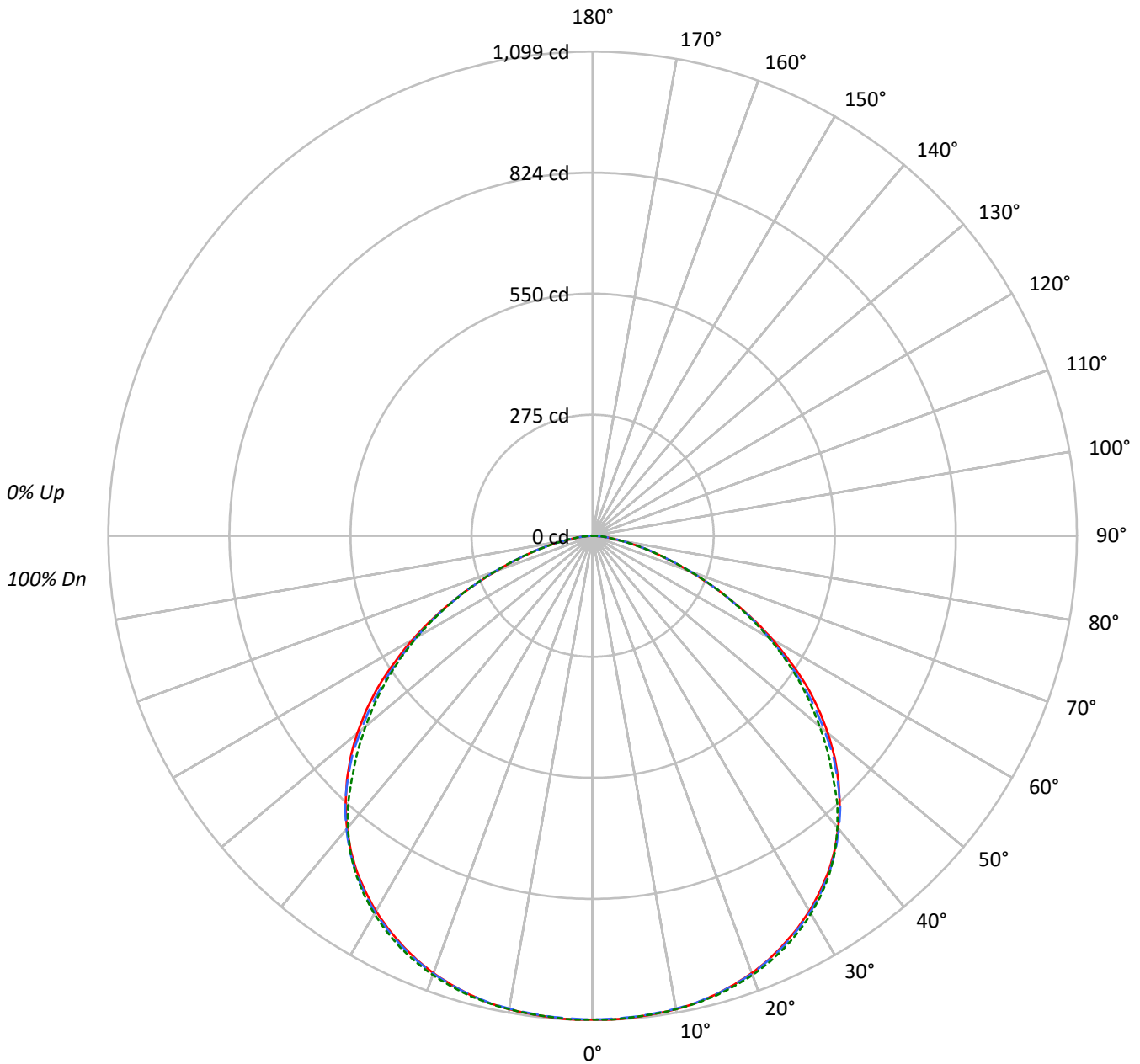
Lumens per Lamp: N/A
Luminaire Lumens: 3110.7 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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					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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31					31			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2955	2955	2955
5°	2964	2960	2961
10°	2982	2979	2982
15°	3003	3003	3010
20°	3025	3029	3039
25°	3042	3048	3063
30°	3057	3067	3078
35°	3062	3072	3078
40°	3046	3054	3035
45°	3002	2993	2933
50°	2917	2872	2814
55°	2776	2705	2674
60°	2541	2493	2479
65°	2216	2211	2204
70°	1817	1847	1841
75°	1439	1464	1439
80°	1055	1049	1043
85°	704	692	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	3.4
10°-20°	304.7	9.8
20°-30°	473.6	15.2
30°-40°	583.9	18.8
40°-50°	603.1	19.4
50°-60°	516.1	16.6
60°-70°	344.4	11.1
70°-80°	151.1	4.9
80°-90°	29.2	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°	882.8	28.4
0°-40°	1466.7	47.2
0°-60°	2585.9	83.1
0°-90°	3110.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3110.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1098	1098	1098	1098	1098	
5°	1097	1096	1096	1095	1096	105
15°	1078	1077	1078	1079	1080	305
25°	1024	1024	1027	1030	1032	473
35°	932	932	935	937	937	582
45°	789	788	787	779	771	607
55°	592	584	577	574	570	526
65°	348	347	347	348	346	345
75°	138	137	141	140	138	150
85°	23	22	22	23	24	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1098.2	1098.2	1098.2	1098.2	1098.2
2.5°	1099.0	1097.5	1097.1	1097.1	1099.0
5°	1097.1	1095.5	1095.9	1095.1	1096.3
7.5°	1094.4	1092.8	1093.2	1092.8	1094.4
10°	1091.3	1089.7	1090.1	1089.7	1091.3
12.5°	1085.9	1084.7	1085.5	1085.9	1087.0
15°	1078.1	1077.0	1078.1	1078.9	1080.4
17.5°	1068.1	1067.3	1068.5	1069.6	1071.6
20°	1056.5	1055.7	1057.6	1058.8	1061.1
22.5°	1042.2	1041.4	1043.3	1046.0	1047.6
25°	1024.4	1024.4	1026.7	1029.8	1031.7
27.5°	1005.4	1005.0	1007.7	1010.8	1012.8
30°	983.8	983.0	986.9	989.6	990.7
32.5°	958.6	959.0	962.5	965.2	965.6
35°	932.0	932.0	935.0	937.0	937.0
37.5°	901.4	901.0	904.1	904.9	903.7
40°	867.0	867.4	869.3	868.9	863.9
42.5°	829.9	830.3	831.8	826.4	821.4
45°	788.9	788.5	786.6	779.2	770.7
47.5°	745.2	743.2	740.1	728.9	722.7
50°	696.8	693.7	686.0	677.1	672.1
52.5°	645.8	640.4	632.6	625.7	621.4
55°	591.7	584.3	576.6	573.5	570.0
57.5°	531.3	526.7	520.1	518.6	516.2
60°	472.2	467.1	463.3	463.3	460.6
62.5°	410.3	407.2	405.7	406.4	403.7
65°	348.0	347.3	347.3	348.4	346.1
67.5°	287.7	289.3	288.9	292.7	289.6
70°	230.9	233.6	234.7	238.6	234.0
72.5°	181.8	182.1	183.7	184.8	182.5
75°	138.4	137.3	140.8	140.0	138.4
77.5°	100.2	99.4	100.5	101.3	99.4
80°	68.1	67.3	67.7	68.8	67.3
82.5°	42.9	42.2	42.2	43.3	42.9
85°	22.8	22.4	22.4	23.2	24.0
87.5°	8.1	7.7	8.1	8.1	8.1
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)