

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: P506312

Luminaire Tested: **22PD-45-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506312
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-45-PR1-L950
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

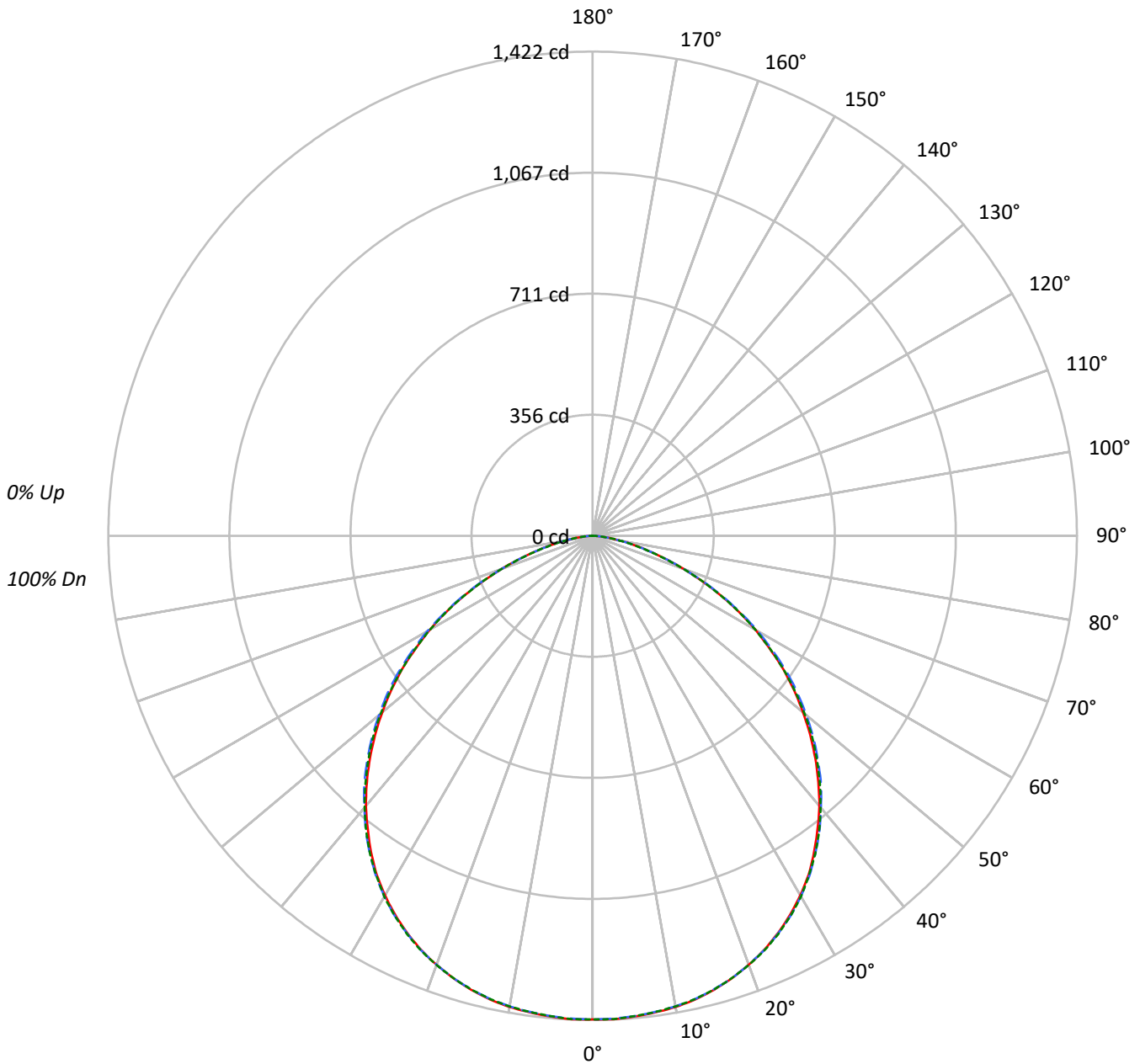
Lumens per Lamp: N/A
Luminaire Lumens: 3796.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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°	3823	3823	3823
5°	3828	3826	3826
10°	3840	3835	3835
15°	3845	3841	3843
20°	3840	3838	3841
25°	3823	3828	3831
30°	3789	3801	3802
35°	3725	3745	3744
40°	3638	3663	3658
45°	3519	3564	3546
50°	3376	3428	3400
55°	3204	3255	3209
60°	2971	3012	2961
65°	2651	2677	2648
70°	2230	2230	2215
75°	1747	1747	1727
80°	1280	1265	1258
85°	837	837	849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.8	3.6
10°-20°	389.3	10.3
20°-30°	593.8	15.6
30°-40°	711.7	18.7
40°-50°	718.8	18.9
50°-60°	615.0	16.2
60°-70°	414.7	10.9
70°-80°	183.0	4.8
80°-90°	35.1	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°	1117.9	29.4
0°-40°	1829.6	48.2
0°-60°	3163.3	83.3
0°-90°	3796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1421	1421	1421	1421	1421	
5°	1417	1415	1416	1415	1416	135
15°	1380	1380	1379	1378	1379	390
25°	1288	1289	1289	1289	1290	593
35°	1134	1141	1140	1139	1140	709
45°	925	932	936	935	932	713
55°	683	689	694	693	684	609
65°	416	420	420	420	416	411
75°	168	168	168	168	166	183
85°	27	27	27	28	28	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1420.6	1420.6	1420.6	1420.6	1420.6
2.5°	1421.5	1419.6	1419.2	1418.7	1420.6
5°	1417.3	1415.4	1416.3	1415.4	1416.3
7.5°	1412.0	1410.1	1410.6	1409.7	1410.6
10°	1405.4	1403.5	1403.5	1402.6	1403.5
12.5°	1395.0	1393.5	1393.1	1392.1	1393.5
15°	1380.2	1379.8	1378.8	1378.3	1379.3
17.5°	1362.2	1361.3	1362.2	1360.8	1361.7
20°	1340.9	1341.3	1340.4	1340.9	1341.3
22.5°	1316.6	1316.6	1317.1	1317.1	1318.1
25°	1287.7	1289.1	1289.1	1289.1	1290.1
27.5°	1255.4	1257.3	1258.7	1257.8	1258.7
30°	1219.3	1222.7	1223.1	1222.7	1223.6
32.5°	1180.4	1182.8	1184.2	1183.3	1182.3
35°	1133.9	1140.6	1140.1	1139.1	1139.6
37.5°	1085.0	1091.7	1094.0	1092.1	1092.6
40°	1035.7	1041.4	1042.8	1043.3	1041.4
42.5°	981.1	987.7	992.9	990.6	987.7
45°	924.6	931.7	936.5	935.0	931.7
47.5°	866.2	872.9	879.5	877.1	873.8
50°	806.4	813.1	818.8	817.8	812.1
52.5°	745.2	752.8	758.0	756.1	748.5
55°	683.0	689.2	693.9	693.0	684.0
57.5°	615.6	623.7	626.0	624.6	618.0
60°	552.0	557.2	559.6	557.7	550.1
62.5°	484.1	488.4	490.3	489.8	484.6
65°	416.3	419.6	420.5	419.6	415.8
67.5°	346.5	351.2	351.7	351.7	347.9
70°	283.4	284.8	283.4	287.2	281.5
72.5°	222.1	223.1	222.1	222.1	219.8
75°	168.0	168.5	168.0	168.5	166.1
77.5°	121.5	122.5	120.6	122.0	119.6
80°	82.6	82.6	81.6	82.1	81.2
82.5°	51.3	52.2	50.8	50.8	50.3
85°	27.1	27.1	27.1	27.5	27.5
87.5°	9.5	9.5	10.0	10.0	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)