

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: P506303

Luminaire Tested: **22PD-45-PL1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506303
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-45-PL1-L950
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

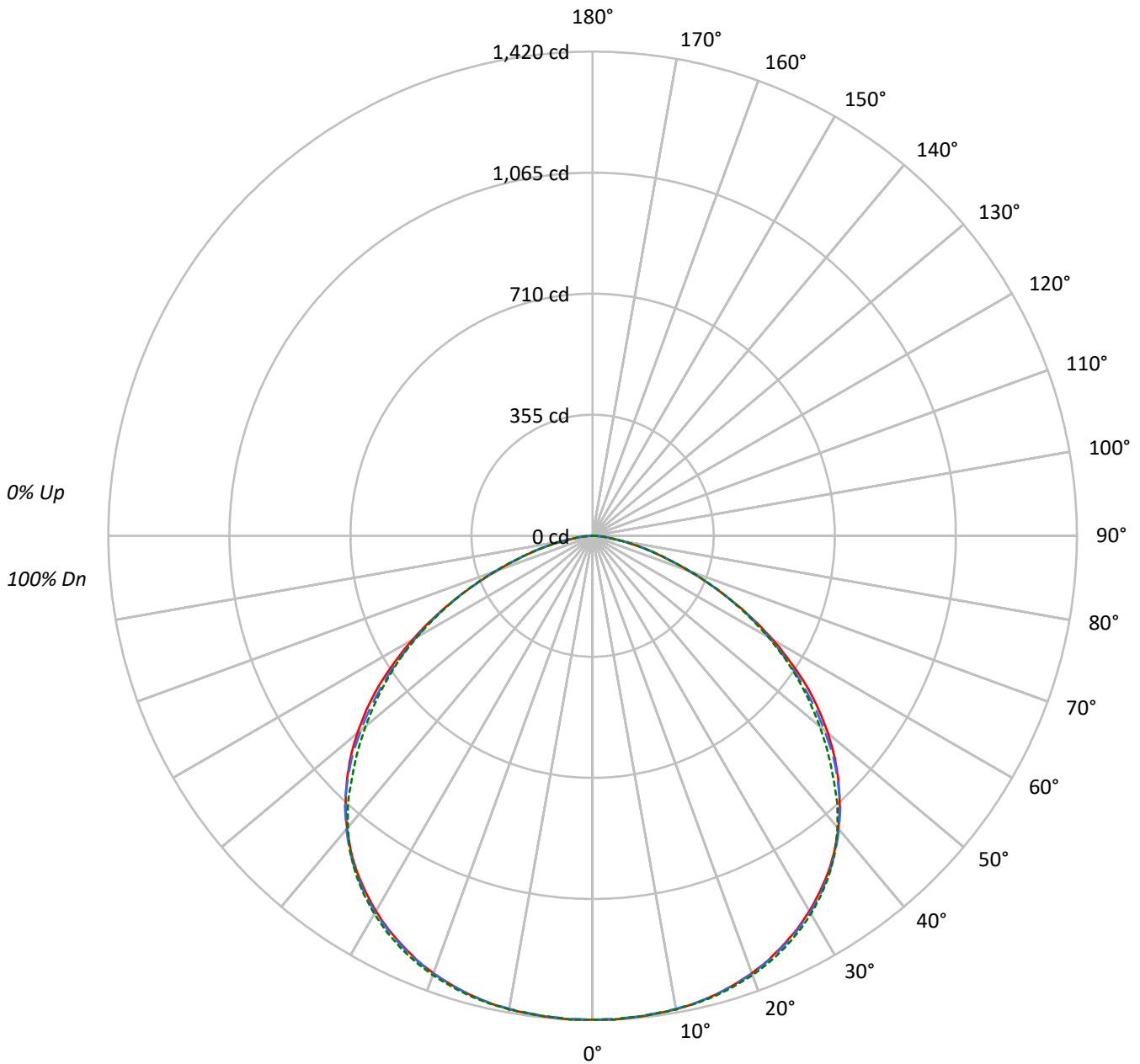
Lumens per Lamp: N/A
Luminaire Lumens: 4019.9 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3819	3819	3819
5°	3830	3826	3827
10°	3853	3849	3853
15°	3881	3881	3890
20°	3910	3914	3927
25°	3931	3939	3959
30°	3950	3963	3978
35°	3956	3969	3978
40°	3936	3946	3922
45°	3879	3868	3790
50°	3770	3711	3636
55°	3587	3496	3456
60°	3284	3222	3203
65°	2864	2858	2848
70°	2347	2386	2378
75°	1860	1891	1860
80°	1364	1356	1348
85°	911	895	957



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.9	3.4
10°-20°	393.8	9.8
20°-30°	612.1	15.2
30°-40°	754.6	18.8
40°-50°	779.4	19.4
50°-60°	666.9	16.6
60°-70°	445.1	11.1
70°-80°	195.3	4.9
80°-90°	37.8	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°	1140.8	28.4
0°-40°	1895.4	47.1
0°-60°	3341.7	83.1
0°-90°	4019.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4019.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1419	1419	1419	1419	1419	
5°	1418	1416	1416	1415	1417	135
15°	1393	1392	1393	1394	1396	394
25°	1324	1324	1327	1331	1333	611
35°	1204	1204	1208	1211	1211	753
45°	1019	1019	1016	1007	996	785
55°	765	755	745	741	737	680
65°	450	449	449	450	447	446
75°	179	177	182	181	179	194
85°	30	29	29	30	31	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1419.2	1419.2	1419.2	1419.2	1419.2
2.5°	1420.2	1418.2	1417.7	1417.7	1420.2
5°	1417.7	1415.7	1416.2	1415.2	1416.7
7.5°	1414.2	1412.2	1412.7	1412.2	1414.2
10°	1410.2	1408.2	1408.7	1408.2	1410.2
12.5°	1403.2	1401.7	1402.7	1403.2	1404.7
15°	1393.2	1391.7	1393.2	1394.2	1396.2
17.5°	1380.2	1379.2	1380.7	1382.2	1384.7
20°	1365.3	1364.3	1366.8	1368.3	1371.3
22.5°	1346.8	1345.8	1348.3	1351.8	1353.8
25°	1323.8	1323.8	1326.8	1330.8	1333.3
27.5°	1299.3	1298.8	1302.3	1306.3	1308.8
30°	1271.3	1270.3	1275.3	1278.8	1280.3
32.5°	1238.8	1239.3	1243.8	1247.3	1247.8
35°	1204.3	1204.3	1208.3	1210.8	1210.8
37.5°	1164.9	1164.4	1168.4	1169.4	1167.9
40°	1120.4	1120.9	1123.4	1122.9	1116.4
42.5°	1072.4	1072.9	1074.9	1067.9	1061.4
45°	1019.4	1018.9	1016.4	1007.0	996.0
47.5°	963.0	960.5	956.5	942.0	934.0
50°	900.5	896.5	886.5	875.0	868.5
52.5°	834.5	827.5	817.6	808.6	803.1
55°	764.6	755.1	745.1	741.1	736.6
57.5°	686.6	680.6	672.1	670.1	667.1
60°	610.2	603.7	598.7	598.7	595.2
62.5°	530.2	526.2	524.2	525.2	521.7
65°	449.8	448.8	448.8	450.3	447.3
67.5°	371.8	373.8	373.3	378.3	374.3
70°	298.3	301.8	303.3	308.3	302.3
72.5°	234.9	235.4	237.4	238.9	235.9
75°	178.9	177.4	181.9	180.9	178.9
77.5°	129.4	128.4	129.9	130.9	128.4
80°	88.0	87.0	87.5	89.0	87.0
82.5°	55.5	54.5	54.5	56.0	55.5
85°	29.5	29.0	29.0	30.0	31.0
87.5°	10.5	10.0	10.5	10.5	10.5
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)