

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: P506861

Luminaire Tested: **24PD-80-PW1-L950**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-80-PW1-L950
Description: 8000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

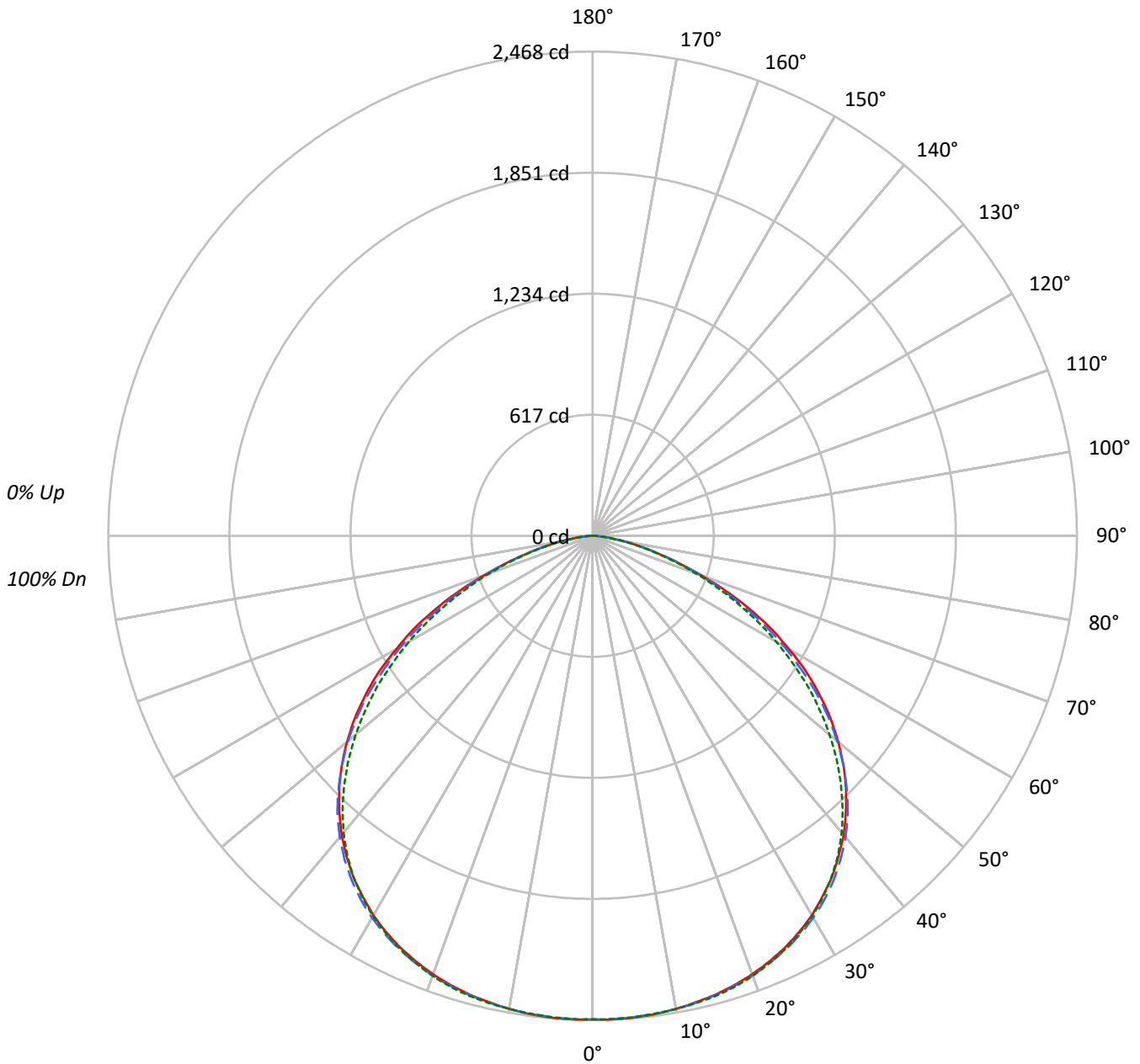
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7229.8 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
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

TEST NUMBER: P506861
CATALOG NUMBER: 24PD-80-PW1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P506861

CATALOG NUMBER: 24PD-80-PW1-L950

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3317	3317	3317
5°	3329	3325	3325
10°	3346	3346	3347
15°	3373	3376	3382
20°	3405	3416	3418
25°	3440	3456	3451
30°	3471	3494	3478
35°	3491	3518	3488
40°	3495	3521	3468
45°	3475	3488	3404
50°	3420	3404	3298
55°	3311	3258	3142
60°	3110	3030	2912
65°	2805	2702	2592
70°	2312	2277	2193
75°	1768	1785	1714
80°	1227	1264	1237
85°	733	766	744



TEST NUMBER: P506861

CATALOG NUMBER: 24PD-80-PW1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.6	3.2
10°-20°	685.4	9.5
20°-30°	1071.9	14.8
30°-40°	1333.3	18.4
40°-50°	1401.2	19.4
50°-60°	1229.9	17.0
60°-70°	837.5	11.6
70°-80°	369.5	5.1
80°-90°	66.5	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°	1991.9	27.6
0°-40°	3325.2	46.0
0°-60°	5956.3	82.4
0°-90°	7229.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7229.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2465	2465	2465	2465	2465	
5°	2465	2464	2462	2459	2462	235
15°	2421	2424	2423	2423	2428	684
25°	2317	2324	2328	2326	2324	1069
35°	2125	2135	2142	2132	2123	1328
45°	1826	1838	1833	1803	1789	1406
55°	1412	1406	1389	1352	1339	1258
65°	881	860	849	830	814	868
75°	340	342	343	337	330	372
85°	48	50	50	49	48	65
90°	0	0	0	0	0	



TEST NUMBER: P506861

CATALOG NUMBER: 24PD-80-PW1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2465.4	2465.4	2465.4	2465.4	2465.4
2.5°	2468.1	2466.8	2465.4	2463.3	2465.4
5°	2464.7	2464.0	2461.9	2459.2	2461.9
7.5°	2459.2	2459.2	2457.1	2455.1	2456.4
10°	2448.9	2450.9	2448.9	2446.8	2449.6
12.5°	2435.1	2438.5	2437.9	2437.9	2439.9
15°	2421.3	2424.1	2423.4	2423.4	2428.2
17.5°	2402.1	2405.5	2406.2	2407.6	2410.3
20°	2378.0	2382.8	2385.5	2384.9	2386.9
22.5°	2349.8	2355.3	2357.3	2358.7	2357.3
25°	2317.4	2323.6	2327.7	2326.4	2324.3
27.5°	2278.2	2285.1	2290.6	2287.1	2283.0
30°	2234.1	2240.3	2248.6	2242.4	2238.3
32.5°	2179.8	2191.5	2199.0	2191.5	2185.3
35°	2125.4	2135.0	2141.9	2131.6	2123.3
37.5°	2059.3	2071.0	2077.2	2062.7	2053.8
40°	1989.8	2001.5	2004.9	1986.3	1974.6
42.5°	1910.6	1923.7	1925.1	1898.9	1885.9
45°	1826.0	1837.7	1832.9	1802.6	1788.8
47.5°	1734.4	1742.7	1732.4	1701.4	1686.3
50°	1634.0	1638.8	1626.4	1589.9	1575.4
52.5°	1528.0	1527.3	1511.4	1475.0	1459.1
55°	1411.6	1406.1	1388.9	1352.5	1339.4
57.5°	1292.6	1275.4	1256.8	1225.8	1208.6
60°	1155.6	1142.5	1126.0	1095.0	1082.0
62.5°	1026.2	1002.8	989.0	961.5	949.8
65°	881.0	859.6	848.6	830.1	814.2
67.5°	735.1	718.6	711.0	697.9	683.5
70°	587.8	583.0	578.8	566.4	557.5
72.5°	457.7	456.3	455.6	448.8	439.8
75°	340.0	342.1	343.4	337.3	329.7
77.5°	242.3	245.7	245.0	241.6	239.5
80°	158.3	161.1	163.1	159.7	159.7
82.5°	95.7	98.4	97.7	99.1	96.4
85°	47.5	49.6	49.6	48.9	48.2
87.5°	17.2	17.9	17.2	17.9	17.2
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)