

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: P506150

Luminaire Tested: **14PD-80-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-80-PR1-L950
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

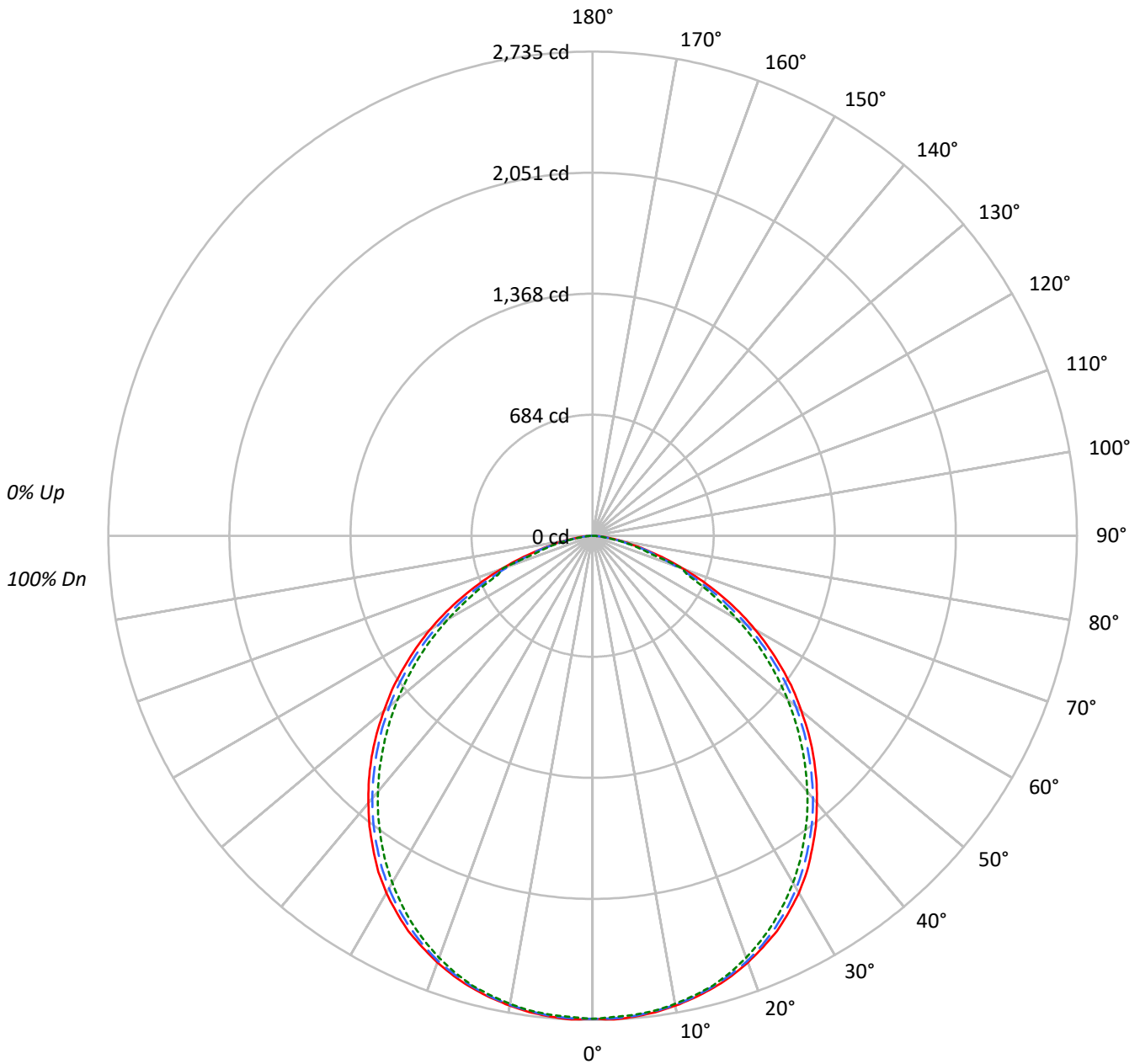
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7021.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 84.4
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: P506150
CATALOG NUMBER: 14PD-80-PR1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P506150

CATALOG NUMBER: 14PD-80-PR1-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	110	105	101	98	107	103	100	96	99	96	93	95	93	90	91	90	88	86																			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73																			
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62																			
4	84	73	64	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36																			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32																			
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29																			
10	54	41	34	29	53	41	34	29	40	33	28	39	33	28	38	32	28	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7342	7342	7342
5°	7366	7355	7337
10°	7366	7351	7336
15°	7363	7341	7326
20°	7344	7317	7263
25°	7314	7250	7170
30°	7239	7146	7033
35°	7098	6991	6849
40°	6921	6802	6626
45°	6716	6551	6345
50°	6437	6268	6013
55°	6124	5883	5604
60°	5702	5403	5069
65°	5119	4758	4448
70°	4306	3923	4242
75°	3316	3189	2866
80°	2386	2135	2032
85°	1460	1250	1127



TEST NUMBER: P506150

CATALOG NUMBER: 14PD-80-PR1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	3.7
10°-20°	742.9	10.6
20°-30°	1122.2	16.0
30°-40°	1327.6	18.9
40°-50°	1323.8	18.9
50°-60°	1118.3	15.9
60°-70°	745.1	10.6
70°-80°	323.7	4.6
80°-90°	58.7	0.8
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°	2123.7	30.2
0°-40°	3451.4	49.2
0°-60°	5893.5	83.9
0°-90°	7021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7021.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2728	2728	2728	2728	2728	
5°	2727	2716	2723	2720	2716	259
15°	2643	2631	2635	2631	2630	746
25°	2463	2447	2442	2420	2415	1134
35°	2161	2146	2128	2100	2085	1351
45°	1765	1748	1722	1685	1667	1359
55°	1305	1296	1254	1213	1194	1165
65°	804	794	747	715	699	795
75°	319	312	307	296	276	348
85°	47	49	40	38	36	64
90°	0	0	0	0	0	



TEST NUMBER: P506150

CATALOG NUMBER: 14PD-80-PR1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2728.2	2728.2	2728.2	2728.2	2728.2
2.5°	2734.9	2722.8	2728.2	2728.2	2721.4
5°	2726.8	2716.0	2722.8	2720.1	2716.0
7.5°	2714.7	2703.8	2707.9	2706.6	2705.2
10°	2695.7	2684.9	2690.3	2687.6	2684.9
12.5°	2671.4	2660.6	2666.0	2662.0	2659.3
15°	2643.0	2630.9	2634.9	2630.9	2629.5
17.5°	2607.9	2595.7	2597.1	2591.7	2586.3
20°	2564.7	2553.9	2555.2	2541.7	2536.3
22.5°	2514.7	2503.9	2502.5	2484.9	2478.2
25°	2463.3	2447.1	2441.7	2420.1	2414.7
27.5°	2398.5	2383.6	2375.5	2352.5	2341.7
30°	2329.6	2313.3	2299.8	2274.2	2263.3
32.5°	2251.2	2235.0	2217.4	2190.4	2178.2
35°	2160.6	2145.8	2128.2	2099.8	2085.0
37.5°	2070.1	2053.9	2036.3	2002.5	1990.4
40°	1970.1	1955.3	1936.3	1899.9	1886.3
42.5°	1870.1	1852.6	1829.6	1794.5	1779.6
45°	1764.7	1748.5	1721.5	1685.0	1667.4
47.5°	1653.9	1640.4	1612.0	1572.9	1553.9
50°	1537.7	1526.9	1497.2	1453.9	1436.4
52.5°	1426.9	1412.1	1378.3	1335.0	1316.1
55°	1305.3	1295.8	1254.0	1213.4	1194.5
57.5°	1183.7	1171.5	1129.6	1089.1	1071.5
60°	1059.4	1048.6	1004.0	963.4	941.8
62.5°	933.7	921.6	874.3	837.8	817.5
65°	804.0	794.5	747.2	714.8	698.6
67.5°	674.3	667.5	617.5	590.5	578.3
70°	547.3	537.8	498.6	487.8	539.1
72.5°	429.7	417.5	383.8	366.2	352.7
75°	318.9	312.1	306.7	295.9	275.7
77.5°	224.3	223.0	204.0	189.2	204.0
80°	154.0	159.4	137.8	125.7	131.1
82.5°	94.6	105.4	82.4	73.0	70.3
85°	47.3	48.6	40.5	37.8	36.5
87.5°	17.6	20.3	17.6	14.9	14.9
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)