

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: P506149

Luminaire Tested: **14PD-80-PR1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506149
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-L940
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

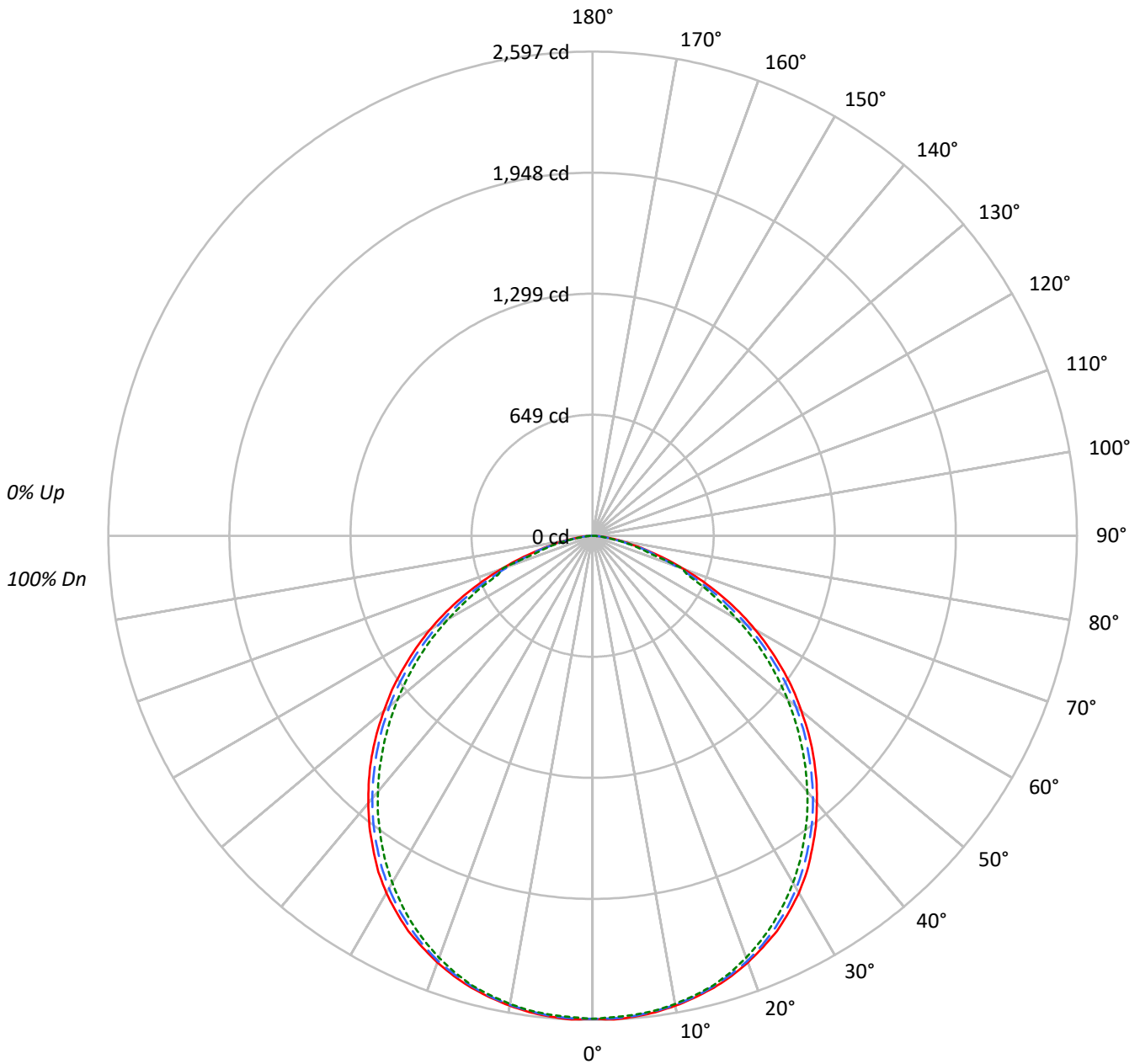
Lumens per Lamp: N/A
Luminaire Lumens: 6667.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.23 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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: P506149

CATALOG NUMBER: 14PD-80-PR1-L940

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	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°	6971	6971	6971
5°	6994	6984	6967
10°	6995	6981	6967
15°	6992	6971	6956
20°	6974	6948	6897
25°	6945	6884	6808
30°	6874	6786	6678
35°	6740	6639	6504
40°	6572	6459	6292
45°	6377	6221	6026
50°	6113	5952	5710
55°	5815	5586	5322
60°	5414	5131	4813
65°	4862	4518	4224
70°	4089	3725	4028
75°	3148	3029	2722
80°	2267	2029	1929
85°	1386	1189	1068



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.6	3.7
10°-20°	705.5	10.6
20°-30°	1065.6	16.0
30°-40°	1260.7	18.9
40°-50°	1257.0	18.9
50°-60°	1061.9	15.9
60°-70°	707.6	10.6
70°-80°	307.4	4.6
80°-90°	55.8	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°	2016.7	30.2
0°-40°	3277.4	49.2
0°-60°	5596.3	83.9
0°-90°	6667.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6667.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2591	2591	2591	2591	2591	
5°	2589	2579	2586	2583	2579	246
15°	2510	2498	2502	2498	2497	708
25°	2339	2324	2319	2298	2293	1076
35°	2052	2038	2021	1994	1980	1283
45°	1676	1660	1635	1600	1583	1290
55°	1240	1230	1191	1152	1134	1107
65°	764	754	710	679	663	755
75°	303	296	291	281	262	331
85°	45	46	38	36	35	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2590.6	2590.6	2590.6	2590.6	2590.6
2.5°	2597.0	2585.5	2590.6	2590.6	2584.2
5°	2589.3	2579.1	2585.5	2582.9	2579.1
7.5°	2577.8	2567.5	2571.4	2570.1	2568.8
10°	2559.8	2549.6	2554.7	2552.1	2549.6
12.5°	2536.7	2526.5	2531.6	2527.7	2525.2
15°	2509.8	2498.2	2502.1	2498.2	2496.9
17.5°	2476.4	2464.9	2466.2	2461.0	2455.9
20°	2435.4	2425.1	2426.4	2413.5	2408.4
22.5°	2387.9	2377.6	2376.3	2359.7	2353.2
25°	2339.1	2323.7	2318.6	2298.1	2292.9
27.5°	2277.5	2263.4	2255.7	2233.9	2223.6
30°	2212.1	2196.7	2183.9	2159.5	2149.2
32.5°	2137.7	2122.3	2105.6	2079.9	2068.4
35°	2051.7	2037.6	2020.9	1994.0	1979.9
37.5°	1965.7	1950.3	1933.7	1901.6	1890.0
40°	1870.8	1856.7	1838.7	1804.1	1791.2
42.5°	1775.8	1759.2	1737.3	1704.0	1689.9
45°	1675.8	1660.4	1634.7	1600.0	1583.4
47.5°	1570.5	1557.7	1530.8	1493.5	1475.6
50°	1460.2	1449.9	1421.7	1380.6	1364.0
52.5°	1355.0	1340.9	1308.8	1267.7	1249.8
55°	1239.5	1230.5	1190.7	1152.2	1134.3
57.5°	1124.0	1112.5	1072.7	1034.2	1017.5
60°	1006.0	995.7	953.4	914.9	894.3
62.5°	886.6	875.1	830.2	795.5	776.3
65°	763.5	754.5	709.6	678.8	663.4
67.5°	640.3	633.9	586.4	560.7	549.2
70°	519.7	510.7	473.5	463.2	512.0
72.5°	408.0	396.5	364.4	347.7	334.9
75°	302.8	296.4	291.3	281.0	261.8
77.5°	213.0	211.7	193.8	179.6	193.8
80°	146.3	151.4	130.9	119.3	124.5
82.5°	89.8	100.1	78.3	69.3	66.7
85°	44.9	46.2	38.5	35.9	34.6
87.5°	16.7	19.2	16.7	14.1	14.1
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)