

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: P506148

Luminaire Tested: **14PD-80-PR1-L935**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506148
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-L935
Description: 8000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

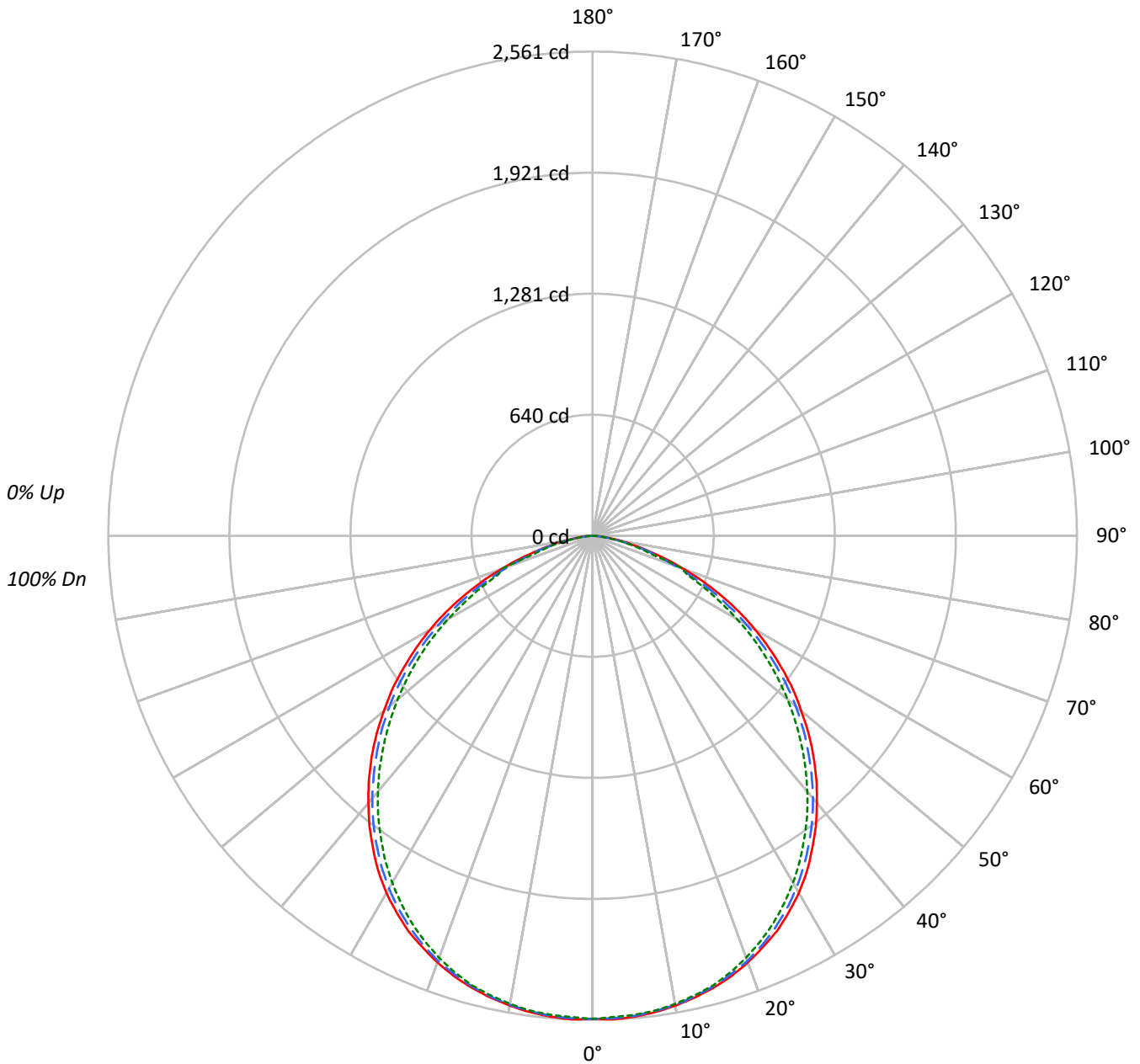
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6574.0 lumens
Efficiency: N/A
Efficacy: 77.9 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: P506148
CATALOG NUMBER: 14PD-80-PR1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P506148

CATALOG NUMBER: 14PD-80-PR1-L935

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°	6874	6874	6874
5°	6897	6887	6870
10°	6897	6883	6869
15°	6895	6873	6859
20°	6877	6851	6801
25°	6848	6788	6713
30°	6778	6691	6585
35°	6646	6546	6413
40°	6480	6369	6204
45°	6288	6134	5942
50°	6028	5869	5630
55°	5734	5508	5248
60°	5338	5060	4746
65°	4793	4455	4165
70°	4032	3674	3972
75°	3105	2986	2684
80°	2235	2001	1901
85°	1368	1173	1056



TEST NUMBER: P506148

CATALOG NUMBER: 14PD-80-PR1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	3.7
10°-20°	695.6	10.6
20°-30°	1050.7	16.0
30°-40°	1243.1	18.9
40°-50°	1239.5	18.9
50°-60°	1047.1	15.9
60°-70°	697.7	10.6
70°-80°	303.1	4.6
80°-90°	55.0	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°	1988.5	30.2
0°-40°	3231.7	49.2
0°-60°	5518.3	83.9
0°-90°	6574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2554	2554	2554	2554	2554	
5°	2553	2543	2549	2547	2543	243
15°	2475	2463	2467	2463	2462	698
25°	2306	2291	2286	2266	2261	1061
35°	2023	2009	1993	1966	1952	1265
45°	1652	1637	1612	1578	1561	1272
55°	1222	1213	1174	1136	1118	1091
65°	753	744	700	669	654	744
75°	299	292	287	277	258	326
85°	44	46	38	35	34	60
90°	0	0	0	0	0	



TEST NUMBER: P506148

CATALOG NUMBER: 14PD-80-PR1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2554.5	2554.5	2554.5	2554.5	2554.5
2.5°	2560.8	2549.4	2554.5	2554.5	2548.2
5°	2553.2	2543.1	2549.4	2546.9	2543.1
7.5°	2541.8	2531.7	2535.5	2534.2	2533.0
10°	2524.1	2514.0	2519.1	2516.5	2514.0
12.5°	2501.3	2491.2	2496.3	2492.5	2490.0
15°	2474.8	2463.4	2467.2	2463.4	2462.1
17.5°	2441.9	2430.5	2431.8	2426.7	2421.6
20°	2401.4	2391.3	2392.5	2379.9	2374.8
22.5°	2354.6	2344.5	2343.2	2326.7	2320.4
25°	2306.5	2291.3	2286.3	2266.0	2260.9
27.5°	2245.8	2231.8	2224.3	2202.7	2192.6
30°	2181.2	2166.1	2153.4	2129.4	2119.2
32.5°	2107.9	2092.7	2076.2	2050.9	2039.5
35°	2023.1	2009.2	1992.7	1966.2	1952.2
37.5°	1938.3	1923.1	1906.7	1875.1	1863.7
40°	1844.7	1830.8	1813.1	1778.9	1766.2
42.5°	1751.1	1734.6	1713.1	1680.2	1666.3
45°	1652.4	1637.2	1611.9	1577.7	1561.3
47.5°	1548.6	1536.0	1509.4	1472.7	1455.0
50°	1439.8	1429.7	1401.9	1361.4	1344.9
52.5°	1336.1	1322.2	1290.5	1250.0	1232.3
55°	1222.2	1213.3	1174.1	1136.2	1118.5
57.5°	1108.3	1096.9	1057.7	1019.8	1003.3
60°	991.9	981.8	940.1	902.1	881.9
62.5°	874.3	862.9	818.6	784.4	765.5
65°	752.8	743.9	699.7	669.3	654.1
67.5°	631.3	625.0	578.2	552.9	541.5
70°	512.4	503.6	466.9	456.7	504.8
72.5°	402.3	391.0	359.3	342.9	330.2
75°	298.6	292.3	287.2	277.1	258.1
77.5°	210.0	208.8	191.0	177.1	191.0
80°	144.2	149.3	129.1	117.7	122.7
82.5°	88.6	98.7	77.2	68.3	65.8
85°	44.3	45.5	38.0	35.4	34.2
87.5°	16.4	19.0	16.4	13.9	13.9
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)