

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: P506010

Luminaire Tested: **14PD-55-PR1-L850**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506010
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-55-PR1-L850
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

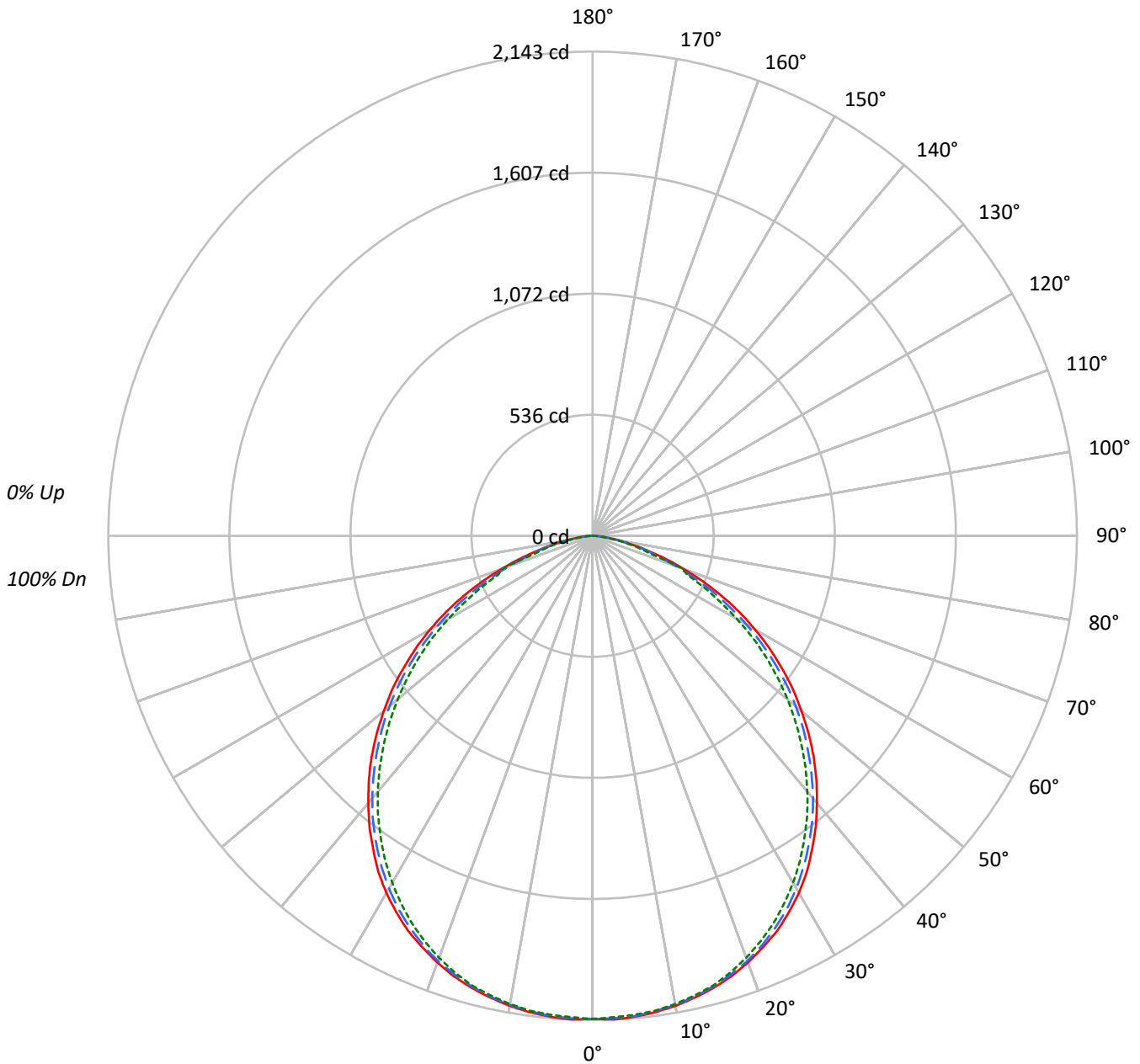
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5502.0 lumens
Efficiency: N/A
Efficacy: 101.7 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): 54.1
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	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°	5753	5753	5753
5°	5772	5764	5749
10°	5772	5761	5749
15°	5770	5753	5741
20°	5755	5734	5692
25°	5732	5681	5619
30°	5673	5600	5511
35°	5562	5479	5367
40°	5423	5330	5193
45°	5263	5134	4973
50°	5045	4912	4712
55°	4799	4610	4392
60°	4468	4235	3972
65°	4011	3729	3486
70°	3375	3074	3324
75°	2598	2499	2246
80°	1870	1674	1592
85°	1145	982	883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.7	3.7
10°-20°	582.2	10.6
20°-30°	879.4	16.0
30°-40°	1040.4	18.9
40°-50°	1037.4	18.9
50°-60°	876.4	15.9
60°-70°	583.9	10.6
70°-80°	253.7	4.6
80°-90°	46.0	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°	1664.3	30.2
0°-40°	2704.7	49.2
0°-60°	4618.4	83.9
0°-90°	5502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2138	2138	2138	2138	2138	
5°	2137	2128	2134	2132	2128	203
15°	2071	2062	2065	2062	2061	585
25°	1930	1918	1913	1896	1892	888
35°	1693	1682	1668	1646	1634	1059
45°	1383	1370	1349	1320	1307	1065
55°	1023	1016	983	951	936	913
65°	630	623	586	560	548	623
75°	250	245	240	232	216	273
85°	37	38	32	30	29	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2137.9	2137.9	2137.9	2137.9	2137.9
2.5°	2143.2	2133.7	2137.9	2137.9	2132.6
5°	2136.9	2128.4	2133.7	2131.6	2128.4
7.5°	2127.3	2118.9	2122.0	2121.0	2119.9
10°	2112.5	2104.0	2108.3	2106.2	2104.0
12.5°	2093.5	2085.0	2089.2	2086.0	2083.9
15°	2071.2	2061.7	2064.9	2061.7	2060.6
17.5°	2043.7	2034.2	2035.2	2031.0	2026.7
20°	2009.8	2001.3	2002.4	1991.8	1987.6
22.5°	1970.6	1962.1	1961.1	1947.3	1942.0
25°	1930.4	1917.7	1913.4	1896.5	1892.3
27.5°	1879.6	1867.9	1861.6	1843.6	1835.1
30°	1825.6	1812.8	1802.3	1782.1	1773.7
32.5°	1764.1	1751.4	1737.7	1716.5	1707.0
35°	1693.2	1681.5	1667.8	1645.5	1633.9
37.5°	1622.2	1609.5	1595.8	1569.3	1559.8
40°	1543.9	1532.2	1517.4	1488.8	1478.2
42.5°	1465.5	1451.8	1433.8	1406.2	1394.6
45°	1382.9	1370.2	1349.0	1320.5	1306.7
47.5°	1296.1	1285.5	1263.3	1232.6	1217.7
50°	1205.0	1196.6	1173.3	1139.4	1125.6
52.5°	1118.2	1106.6	1080.1	1046.2	1031.4
55°	1022.9	1015.5	982.7	950.9	936.1
57.5°	927.6	918.1	885.2	853.5	839.7
60°	830.2	821.7	786.8	755.0	738.1
62.5°	731.7	722.2	685.1	656.5	640.6
65°	630.0	622.6	585.6	560.2	547.5
67.5°	528.4	523.1	483.9	462.7	453.2
70°	428.9	421.4	390.7	382.3	422.5
72.5°	336.7	327.2	300.7	287.0	276.4
75°	249.9	244.6	240.4	231.9	216.0
77.5°	175.8	174.7	159.9	148.2	159.9
80°	120.7	125.0	108.0	98.5	102.7
82.5°	74.1	82.6	64.6	57.2	55.1
85°	37.1	38.1	31.8	29.6	28.6
87.5°	13.8	15.9	13.8	11.6	11.6
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)