

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: P506009

Luminaire Tested: **14PD-55-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506009
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-L840
Description: 5500 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

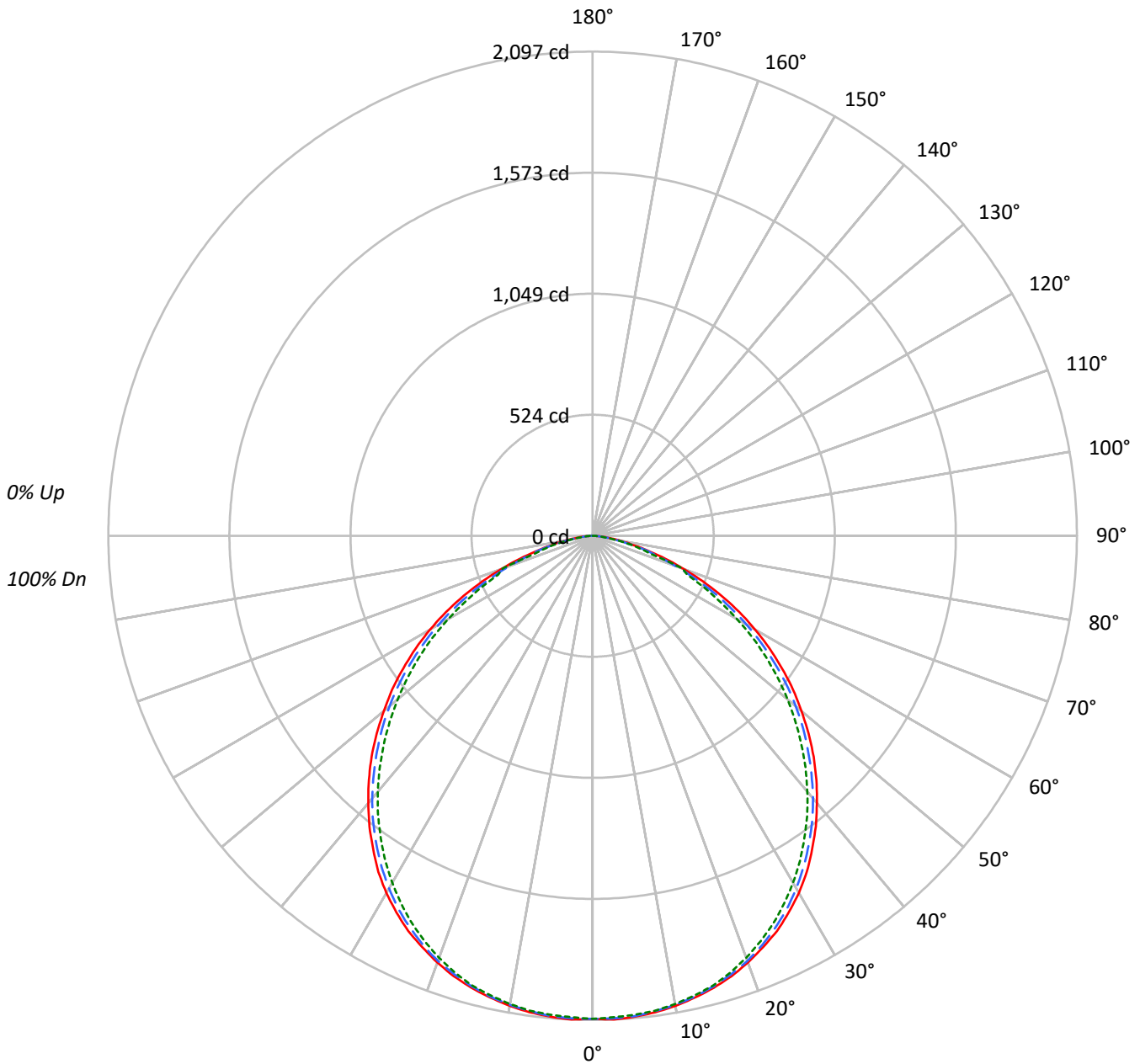
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5384.0 lumens
Efficiency: N/A
Efficacy: 99.5 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°	5630	5630	5630
5°	5648	5640	5626
10°	5649	5637	5626
15°	5646	5629	5618
20°	5632	5611	5570
25°	5609	5559	5498
30°	5551	5480	5393
35°	5443	5361	5252
40°	5307	5216	5081
45°	5150	5024	4866
50°	4937	4806	4611
55°	4696	4511	4297
60°	4372	4144	3887
65°	3926	3649	3411
70°	3302	3009	3253
75°	2542	2445	2198
80°	1830	1638	1557
85°	1121	960	865



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.3	3.7
10°-20°	569.7	10.6
20°-30°	860.5	16.0
30°-40°	1018.1	18.9
40°-50°	1015.1	18.9
50°-60°	857.6	15.9
60°-70°	571.4	10.6
70°-80°	248.2	4.6
80°-90°	45.0	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°	1628.6	30.2
0°-40°	2646.7	49.2
0°-60°	4519.4	83.9
0°-90°	5384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5384.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2092	2092	2092	2092	2092	
5°	2091	2083	2088	2086	2083	199
15°	2027	2018	2021	2018	2016	572
25°	1889	1876	1872	1856	1852	869
35°	1657	1646	1632	1610	1599	1036
45°	1353	1341	1320	1292	1279	1042
55°	1001	994	962	930	916	894
65°	616	609	573	548	536	609
75°	244	239	235	227	211	267
85°	36	37	31	29	28	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2092.1	2092.1	2092.1	2092.1	2092.1
2.5°	2097.3	2087.9	2092.1	2092.1	2086.9
5°	2091.0	2082.8	2087.9	2085.9	2082.8
7.5°	2081.7	2073.4	2076.5	2075.5	2074.5
10°	2067.2	2058.9	2063.1	2061.0	2058.9
12.5°	2048.6	2040.3	2044.4	2041.3	2039.2
15°	2026.8	2017.5	2020.6	2017.5	2016.4
17.5°	1999.9	1990.5	1991.6	1987.4	1983.3
20°	1966.7	1958.4	1959.4	1949.1	1944.9
22.5°	1928.4	1920.1	1919.0	1905.6	1900.4
25°	1889.0	1876.5	1872.4	1855.8	1851.7
27.5°	1839.2	1827.8	1821.6	1804.0	1795.7
30°	1786.4	1774.0	1763.6	1743.9	1735.6
32.5°	1726.3	1713.9	1700.4	1679.7	1670.3
35°	1656.9	1645.5	1632.0	1610.2	1598.8
37.5°	1587.4	1575.0	1561.5	1535.6	1526.3
40°	1510.8	1499.4	1484.9	1456.9	1446.5
42.5°	1434.1	1420.6	1403.0	1376.1	1364.7
45°	1353.3	1340.8	1320.1	1292.1	1278.7
47.5°	1268.3	1257.9	1236.2	1206.1	1191.6
50°	1179.2	1170.9	1148.1	1114.9	1101.5
52.5°	1094.2	1082.8	1056.9	1023.8	1009.3
55°	1001.0	993.7	961.6	930.5	916.0
57.5°	907.7	898.4	866.3	835.2	821.7
60°	812.4	804.1	769.9	738.8	722.2
62.5°	716.0	706.7	670.4	642.4	626.9
65°	616.5	609.3	573.0	548.1	535.7
67.5°	517.1	511.9	473.5	452.8	443.5
70°	419.7	412.4	382.4	374.1	413.4
72.5°	329.5	320.2	294.3	280.8	270.4
75°	244.5	239.4	235.2	226.9	211.4
77.5°	172.0	171.0	156.5	145.1	156.5
80°	118.1	122.3	105.7	96.4	100.5
82.5°	72.5	80.8	63.2	56.0	53.9
85°	36.3	37.3	31.1	29.0	28.0
87.5°	13.5	15.5	13.5	11.4	11.4
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)