

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: P506711

Luminaire Tested: **24PD-55-PR1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PR1-L840
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

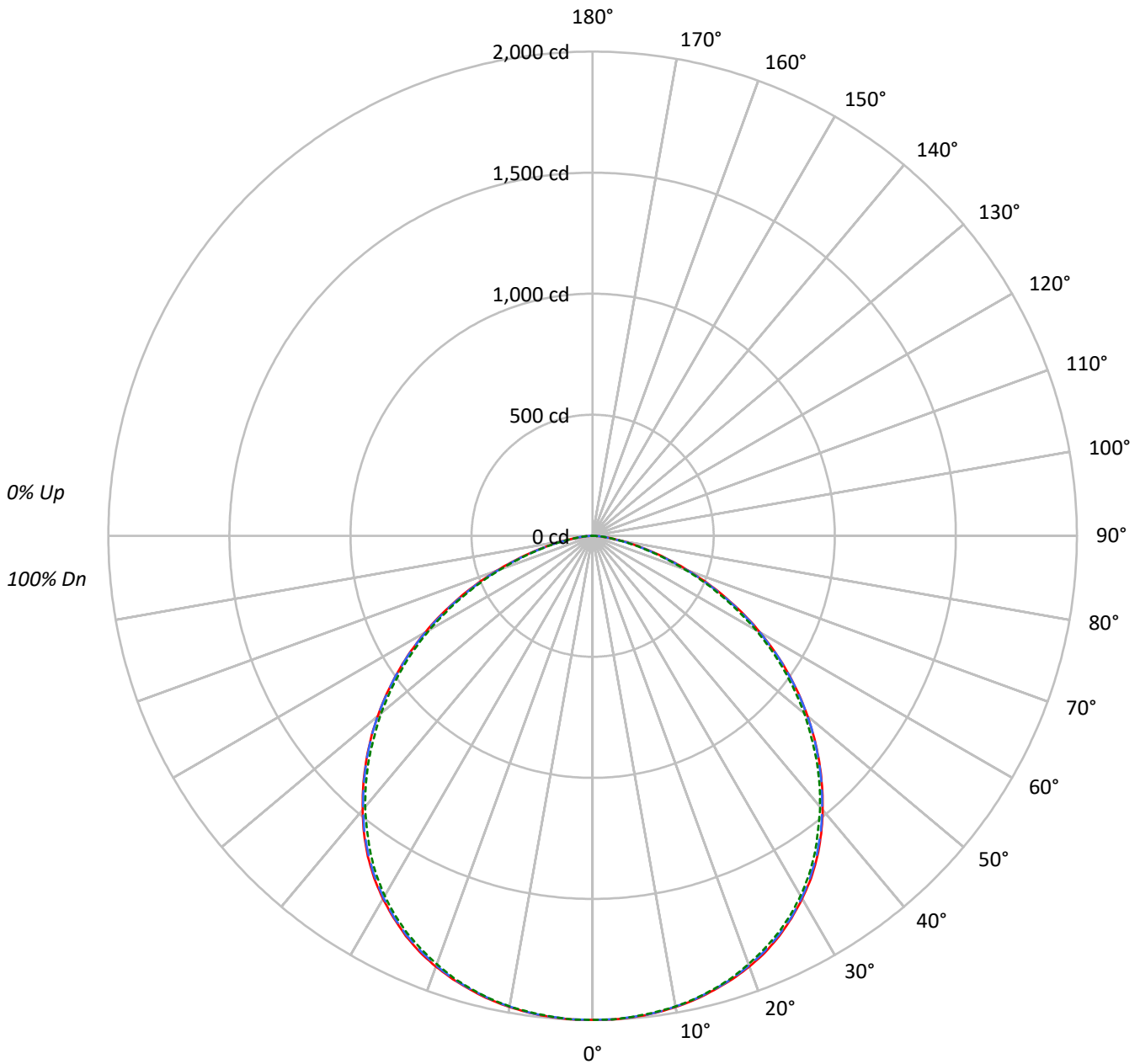
Lumens per Lamp: N/A
Luminaire Lumens: 5383.0 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
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					20					
RC	80					70					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	99	96	99	96	93	95	92	90	91	89	87	85								
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72								
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61								
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52								
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46								
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40								
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35								
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32								
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28								
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2690	2690	2690
5°	2695	2694	2692
10°	2701	2698	2697
15°	2706	2702	2700
20°	2711	2705	2697
25°	2708	2701	2689
30°	2690	2683	2668
35°	2657	2649	2628
40°	2596	2589	2567
45°	2519	2516	2487
50°	2426	2425	2388
55°	2306	2302	2258
60°	2150	2141	2093
65°	1937	1914	1869
70°	1653	1629	1589
75°	1307	1278	1248
80°	928	904	876
85°	557	542	526



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.8	3.5
10°-20°	547.9	10.2
20°-30°	837.6	15.6
30°-40°	1005.9	18.7
40°-50°	1016.5	18.9
50°-60°	873.4	16.2
60°-70°	595.8	11.1
70°-80°	267.9	5.0
80°-90°	48.2	0.9
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°	1575.3	29.3
0°-40°	2581.2	48.0
0°-60°	4471.2	83.1
0°-90°	5383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5383.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2000	2000	2000	2000	2000	
5°	1995	1995	1994	1993	1993	190
15°	1943	1942	1940	1939	1938	549
25°	1824	1824	1819	1813	1812	840
35°	1618	1618	1613	1603	1600	1010
45°	1324	1328	1322	1313	1307	1020
55°	983	987	981	972	963	877
65°	608	611	601	597	587	602
75°	252	254	246	244	240	273
85°	36	37	35	35	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1999.5	1999.5	1999.5	1999.5	1999.5
2.5°	2000.0	1999.5	1999.0	1997.9	1999.5
5°	1995.4	1994.8	1994.3	1993.3	1993.3
7.5°	1988.1	1987.1	1987.1	1985.5	1985.0
10°	1976.8	1976.3	1974.7	1974.7	1974.2
12.5°	1962.3	1961.3	1959.7	1959.2	1958.2
15°	1942.7	1942.2	1940.1	1938.6	1938.0
17.5°	1920.5	1918.9	1917.4	1913.8	1913.8
20°	1893.6	1892.6	1889.0	1885.4	1883.3
22.5°	1862.6	1860.6	1856.4	1852.8	1848.7
25°	1824.4	1823.9	1819.3	1813.1	1811.5
27.5°	1780.0	1781.1	1776.4	1770.2	1767.1
30°	1731.5	1733.5	1726.8	1719.1	1717.5
32.5°	1678.3	1678.8	1673.1	1664.9	1661.8
35°	1617.9	1617.9	1612.7	1602.9	1599.8
37.5°	1550.7	1550.2	1547.1	1535.8	1530.1
40°	1477.9	1480.5	1474.3	1464.0	1461.4
42.5°	1402.5	1405.6	1400.0	1391.2	1385.5
45°	1324.0	1327.7	1322.0	1312.7	1307.0
47.5°	1243.0	1245.5	1241.4	1229.5	1221.8
50°	1158.8	1164.0	1158.3	1145.9	1140.7
52.5°	1072.0	1077.7	1071.0	1061.7	1051.9
55°	983.2	986.8	981.2	972.4	962.6
57.5°	891.8	899.0	889.8	879.4	871.2
60°	798.9	805.1	795.8	786.5	777.7
62.5°	704.4	708.5	698.2	692.5	682.2
65°	608.3	611.4	601.1	597.0	587.1
67.5°	513.3	515.9	506.1	500.4	494.7
70°	420.3	422.4	414.2	409.0	403.8
72.5°	332.6	333.1	325.3	323.8	317.6
75°	251.5	253.6	245.8	244.3	240.1
77.5°	180.7	181.3	176.1	175.1	171.4
80°	119.8	120.3	116.7	116.2	113.1
82.5°	72.3	72.8	69.7	69.7	67.6
85°	36.1	36.7	35.1	35.1	34.1
87.5°	12.4	12.9	12.4	12.4	11.9
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)