

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: P506718

Luminaire Tested: **24PD-55-PW1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PW1-L830
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

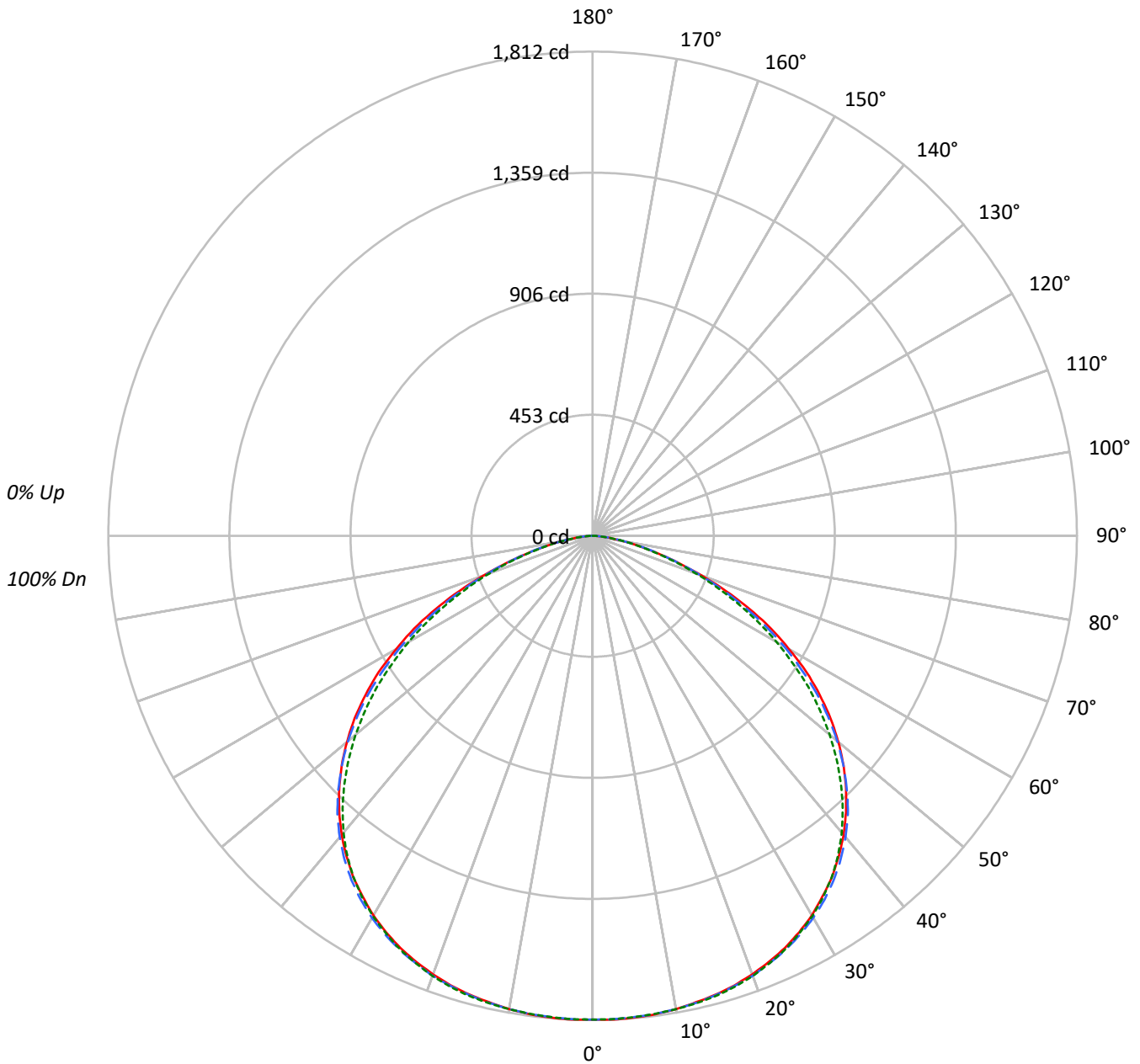
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5309.3 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85								
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71								
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60								
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52								
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45								
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39								
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34								
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30								
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27								
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2436	2436	2436
5°	2445	2442	2442
10°	2457	2457	2458
15°	2477	2479	2484
20°	2500	2508	2510
25°	2526	2538	2534
30°	2549	2566	2554
35°	2564	2584	2561
40°	2566	2586	2547
45°	2551	2561	2500
50°	2512	2500	2422
55°	2432	2393	2307
60°	2284	2225	2138
65°	2060	1984	1904
70°	1698	1672	1611
75°	1298	1311	1259
80°	901	928	909
85°	539	562	546



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	3.2
10°-20°	503.3	9.5
20°-30°	787.1	14.8
30°-40°	979.1	18.4
40°-50°	1029.0	19.4
50°-60°	903.2	17.0
60°-70°	615.0	11.6
70°-80°	271.3	5.1
80°-90°	48.9	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°	1462.8	27.6
0°-40°	2441.9	46.0
0°-60°	4374.1	82.4
0°-90°	5309.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5309.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1810	1810	1810	1810	1810	
5°	1810	1810	1808	1806	1808	172
15°	1778	1780	1780	1780	1783	503
25°	1702	1706	1709	1708	1707	785
35°	1561	1568	1573	1565	1559	975
45°	1341	1350	1346	1324	1314	1033
55°	1037	1033	1020	993	984	924
65°	647	631	623	610	598	638
75°	250	251	252	248	242	273
85°	35	36	36	36	35	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1810.5	1810.5	1810.5	1810.5	1810.5
2.5°	1812.5	1811.5	1810.5	1809.0	1810.5
5°	1810.0	1809.5	1808.0	1805.9	1808.0
7.5°	1805.9	1805.9	1804.4	1802.9	1803.9
10°	1798.4	1799.9	1798.4	1796.8	1798.9
12.5°	1788.2	1790.8	1790.3	1790.3	1791.8
15°	1778.1	1780.2	1779.7	1779.7	1783.2
17.5°	1764.0	1766.5	1767.0	1768.0	1770.0
20°	1746.3	1749.8	1751.9	1751.3	1752.9
22.5°	1725.6	1729.6	1731.1	1732.1	1731.1
25°	1701.8	1706.4	1709.4	1708.4	1706.9
27.5°	1673.0	1678.1	1682.1	1679.6	1676.5
30°	1640.7	1645.2	1651.3	1646.7	1643.7
32.5°	1600.7	1609.3	1614.9	1609.3	1604.8
35°	1560.8	1567.9	1572.9	1565.3	1559.3
37.5°	1512.3	1520.9	1525.4	1514.8	1508.2
40°	1461.2	1469.8	1472.3	1458.7	1450.1
42.5°	1403.1	1412.7	1413.7	1394.5	1384.9
45°	1340.9	1349.5	1346.0	1323.7	1313.6
47.5°	1273.7	1279.8	1272.2	1249.4	1238.3
50°	1199.9	1203.5	1194.4	1167.6	1157.0
52.5°	1122.1	1121.6	1109.9	1083.2	1071.5
55°	1036.7	1032.6	1020.0	993.2	983.6
57.5°	949.2	936.6	922.9	900.2	887.6
60°	848.6	839.0	826.9	804.2	794.6
62.5°	753.6	736.4	726.3	706.1	697.5
65°	647.0	631.3	623.2	609.6	597.9
67.5°	539.8	527.7	522.1	512.5	501.9
70°	431.6	428.1	425.1	416.0	409.4
72.5°	336.1	335.1	334.6	329.5	323.0
75°	249.7	251.2	252.2	247.7	242.1
77.5°	177.9	180.4	179.9	177.4	175.9
80°	116.3	118.3	119.8	117.3	117.3
82.5°	70.3	72.3	71.8	72.8	70.8
85°	34.9	36.4	36.4	35.9	35.4
87.5°	12.6	13.1	12.6	13.1	12.6
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)