

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: P506377

Luminaire Tested: **22PD-60-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-60-PL1-L835
Description: 6000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

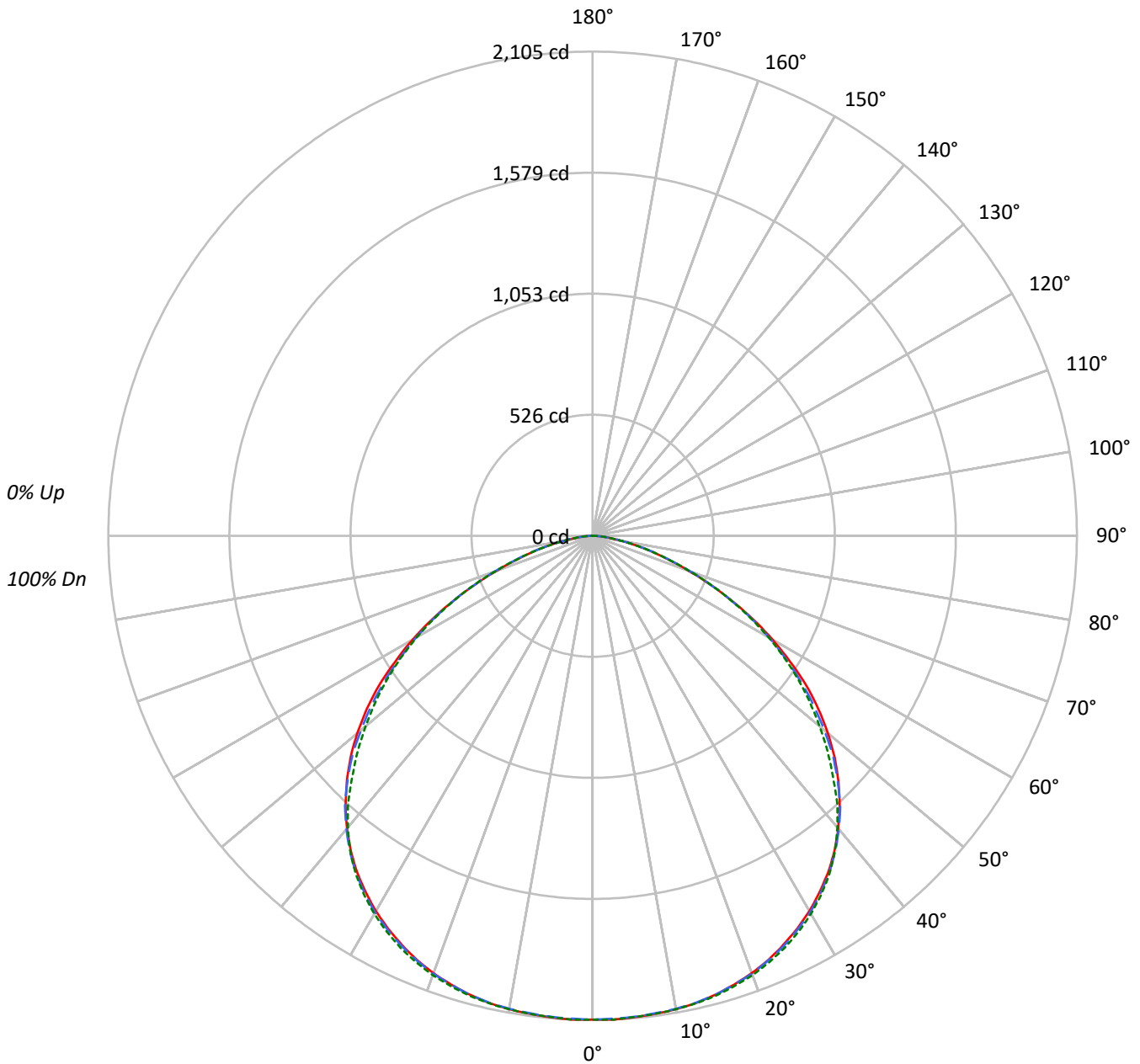
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5958.4 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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	97	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	77	84	79	76	81	77	74	72																			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61																			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52																			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40																			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35																			
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31																			
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28																			
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5661	5661	5661
5°	5676	5670	5672
10°	5712	5706	5712
15°	5753	5753	5765
20°	5795	5801	5820
25°	5826	5839	5868
30°	5855	5874	5897
35°	5864	5884	5896
40°	5834	5849	5813
45°	5750	5734	5618
50°	5588	5501	5389
55°	5317	5181	5122
60°	4867	4776	4748
65°	4245	4236	4221
70°	3479	3537	3526
75°	2757	2803	2757
80°	2021	2008	1998
85°	1349	1328	1417



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.0	3.4
10°-20°	583.7	9.8
20°-30°	907.2	15.2
30°-40°	1118.4	18.8
40°-50°	1155.3	19.4
50°-60°	988.5	16.6
60°-70°	659.7	11.1
70°-80°	289.5	4.9
80°-90°	56.0	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°	1691.0	28.4
0°-40°	2809.4	47.2
0°-60°	4953.2	83.1
0°-90°	5958.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5958.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2104	2104	2104	2104	2104	
5°	2101	2098	2099	2098	2100	200
15°	2065	2063	2065	2067	2070	584
25°	1962	1962	1967	1972	1976	905
35°	1785	1785	1791	1795	1795	1116
45°	1511	1510	1507	1492	1476	1163
55°	1133	1119	1104	1098	1092	1007
65°	667	665	665	667	663	661
75°	265	263	270	268	265	287
85°	44	43	43	44	46	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2103.6	2103.6	2103.6	2103.6	2103.6
2.5°	2105.1	2102.1	2101.4	2101.4	2105.1
5°	2101.4	2098.4	2099.2	2097.7	2099.9
7.5°	2096.2	2093.2	2094.0	2093.2	2096.2
10°	2090.3	2087.3	2088.1	2087.3	2090.3
12.5°	2079.9	2077.7	2079.2	2079.9	2082.1
15°	2065.1	2062.9	2065.1	2066.6	2069.5
17.5°	2045.8	2044.4	2046.6	2048.8	2052.5
20°	2023.6	2022.1	2025.8	2028.1	2032.5
22.5°	1996.2	1994.7	1998.4	2003.6	2006.6
25°	1962.1	1962.1	1966.6	1972.5	1976.2
27.5°	1925.8	1925.1	1930.3	1936.2	1939.9
30°	1884.4	1882.9	1890.3	1895.5	1897.7
32.5°	1836.2	1837.0	1843.6	1848.8	1849.5
35°	1785.1	1785.1	1791.0	1794.7	1794.7
37.5°	1726.6	1725.8	1731.8	1733.3	1731.0
40°	1660.7	1661.4	1665.1	1664.4	1654.7
42.5°	1589.6	1590.3	1593.3	1582.9	1573.3
45°	1511.0	1510.3	1506.6	1492.5	1476.2
47.5°	1427.3	1423.6	1417.7	1396.2	1384.4
50°	1334.8	1328.8	1314.0	1297.0	1287.3
52.5°	1237.0	1226.6	1211.8	1198.5	1190.3
55°	1133.3	1119.2	1104.4	1098.5	1091.8
57.5°	1017.7	1008.8	996.3	993.3	988.8
60°	904.4	894.8	887.4	887.4	882.2
62.5°	785.9	780.0	777.0	778.5	773.3
65°	666.6	665.2	665.2	667.4	662.9
67.5°	551.1	554.0	553.3	560.7	554.8
70°	442.2	447.4	449.6	457.0	448.1
72.5°	348.1	348.9	351.8	354.1	349.6
75°	265.2	263.0	269.6	268.1	265.2
77.5°	191.8	190.4	192.6	194.1	190.4
80°	130.4	128.9	129.6	131.8	128.9
82.5°	82.2	80.7	80.7	83.0	82.2
85°	43.7	43.0	43.0	44.4	45.9
87.5°	15.6	14.8	15.6	15.6	15.6
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)