

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: P506449

Luminaire Tested: **22PD-70-PW1-L835**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-70-PW1-L835
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

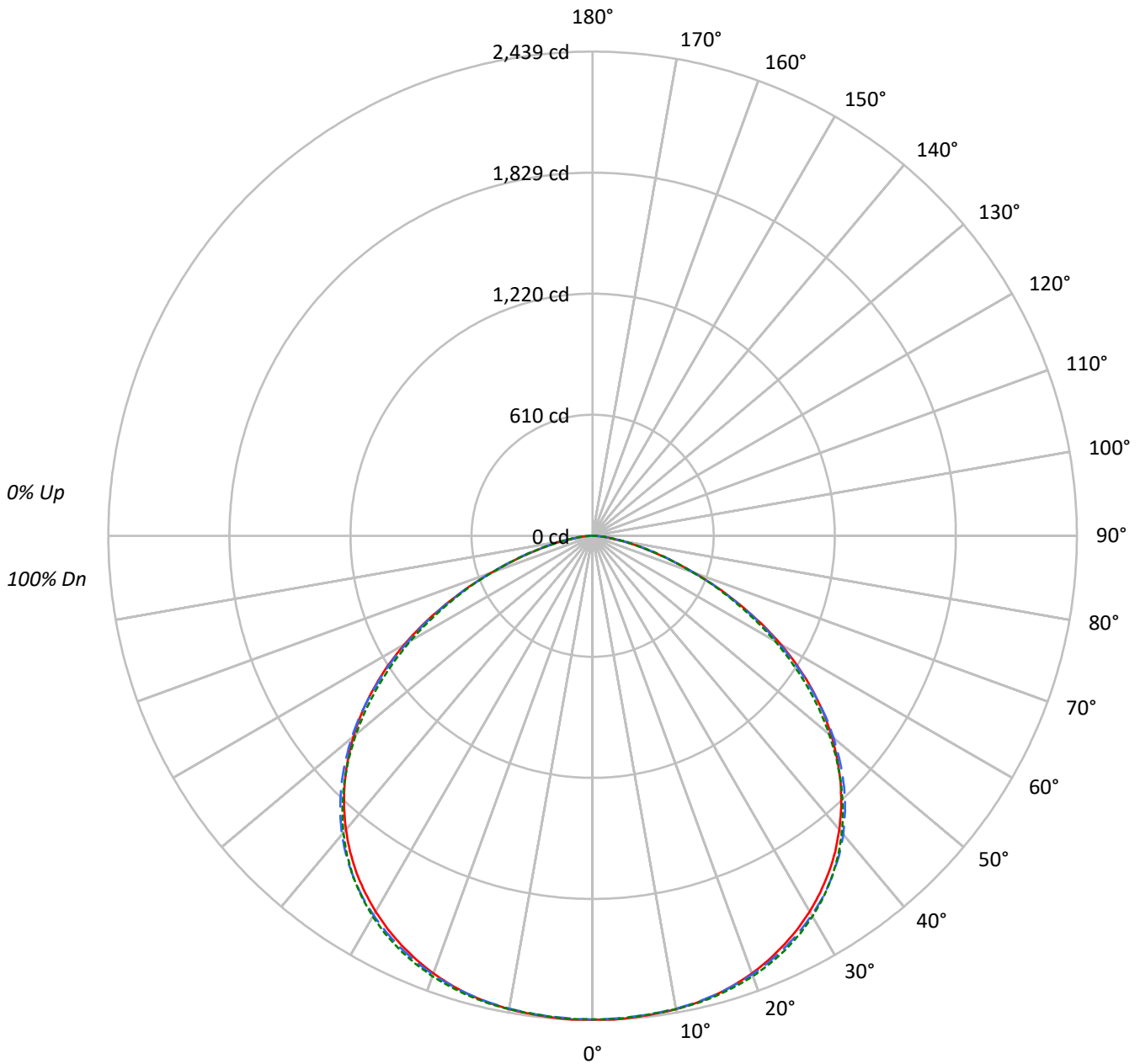
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7043.8 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72																			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52																			
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45																			
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39																			
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35																			
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6557	6557	6557
5°	6575	6566	6568
10°	6618	6609	6616
15°	6670	6667	6687
20°	6719	6734	6761
25°	6759	6798	6829
30°	6793	6857	6882
35°	6809	6898	6901
40°	6789	6899	6859
45°	6721	6817	6735
50°	6584	6632	6512
55°	6329	6300	6182
60°	5892	5826	5704
65°	5196	5146	5046
70°	4255	4275	4187
75°	3223	3332	3305
80°	2335	2430	2388
85°	1531	1587	1695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.7	3.3
10°-20°	676.8	9.6
20°-30°	1055.1	15.0
30°-40°	1307.7	18.6
40°-50°	1368.4	19.4
50°-60°	1192.4	16.9
60°-70°	798.8	11.3
70°-80°	346.2	4.9
80°-90°	66.7	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°	1963.6	27.9
0°-40°	3271.3	46.4
0°-60°	5832.1	82.8
0°-90°	7043.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7043.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2437	2437	2437	2437	2437	
5°	2434	2432	2431	2430	2432	232
15°	2394	2391	2393	2396	2400	676
25°	2276	2277	2290	2297	2300	1050
35°	2073	2081	2100	2102	2101	1296
45°	1766	1776	1791	1777	1770	1360
55°	1349	1348	1343	1328	1318	1201
65°	816	812	808	800	792	807
75°	310	315	320	318	318	342
85°	50	53	51	52	55	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2436.8	2436.8	2436.8	2436.8	2436.8
2.5°	2439.4	2435.0	2434.2	2434.2	2436.8
5°	2434.2	2431.5	2430.7	2429.8	2431.5
7.5°	2428.9	2425.5	2426.3	2424.6	2426.3
10°	2422.0	2418.5	2418.5	2418.5	2421.1
12.5°	2409.8	2407.2	2408.0	2409.8	2413.3
15°	2394.1	2390.6	2393.2	2395.8	2400.2
17.5°	2372.3	2369.7	2374.1	2378.4	2381.9
20°	2346.2	2343.6	2351.4	2357.5	2361.0
22.5°	2314.0	2313.1	2323.6	2330.5	2333.1
25°	2276.5	2277.4	2289.6	2296.6	2300.0
27.5°	2233.9	2235.6	2251.3	2257.4	2260.9
30°	2186.0	2190.3	2206.9	2212.1	2214.7
32.5°	2132.0	2138.1	2158.1	2161.6	2161.6
35°	2072.7	2080.6	2099.7	2102.3	2100.6
37.5°	2006.5	2015.3	2037.0	2033.5	2030.9
40°	1932.5	1942.1	1963.9	1956.9	1952.6
42.5°	1853.3	1862.9	1882.0	1871.6	1865.5
45°	1766.2	1775.8	1791.4	1776.6	1769.7
47.5°	1672.1	1683.4	1691.3	1674.7	1666.0
50°	1572.8	1576.3	1584.2	1565.0	1555.4
52.5°	1464.9	1464.9	1470.9	1450.0	1438.7
55°	1349.0	1348.2	1342.9	1328.1	1317.7
57.5°	1226.2	1221.0	1217.5	1201.8	1189.6
60°	1094.7	1086.9	1082.5	1069.5	1059.9
62.5°	957.1	952.8	947.5	937.1	926.6
65°	816.0	811.7	808.2	800.4	792.5
67.5°	675.8	673.2	673.2	668.0	667.1
70°	540.8	542.6	543.4	543.4	532.1
72.5°	418.9	419.8	424.1	420.6	419.8
75°	310.0	315.3	320.5	317.9	317.9
77.5°	222.9	230.8	230.8	229.0	226.4
80°	150.7	154.1	156.8	155.9	154.1
82.5°	95.8	98.4	95.8	97.5	98.4
85°	49.6	53.1	51.4	52.3	54.9
87.5°	16.5	18.3	19.2	18.3	18.3
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)