

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: P506098

Luminaire Tested: **14PD-70-PW1-L835**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PD-70-PW1-L835
Description: 7000 LUMEN, 1X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

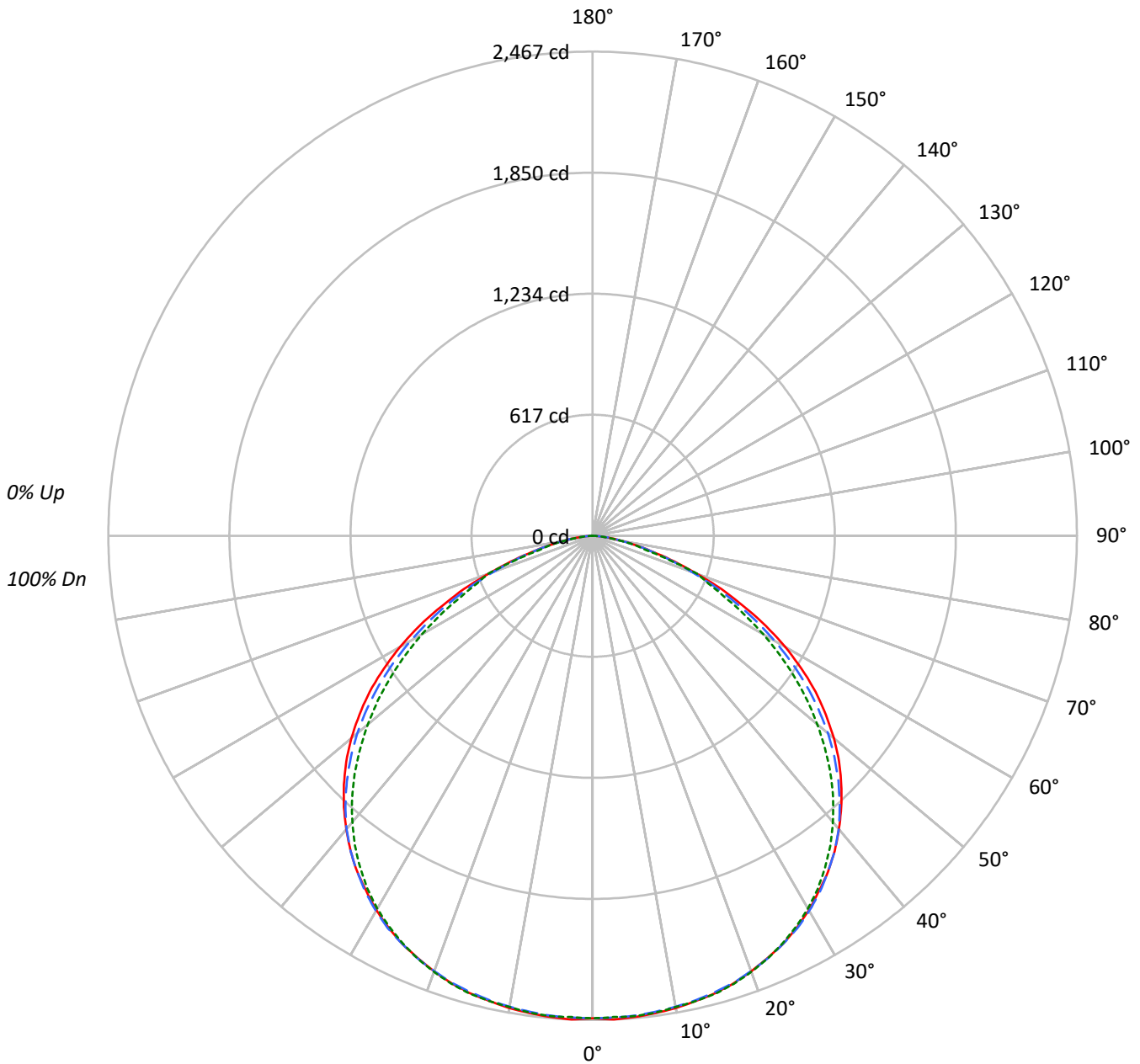
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7002.7 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.42
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71.2
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									
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	83	79	76	80	77	74	72																			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61																			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52																			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45																			
6	71	58	49	43	69	57	49	42	55	48	42	53	47	42	52	46	41	39																			
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35																			
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31																			
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28																			
10	54	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°	6617	6617	6617
5°	6649	6631	6638
10°	6677	6658	6662
15°	6722	6707	6730
20°	6763	6759	6771
25°	6814	6814	6801
30°	6846	6858	6815
35°	6867	6867	6781
40°	6855	6850	6689
45°	6818	6739	6522
50°	6715	6552	6255
55°	6508	6234	5895
60°	6097	5760	5401
65°	5399	5089	4753
70°	4407	4210	4440
75°	3324	3266	2934
80°	2391	2241	2241
85°	1501	1417	1244



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.8	3.3
10°-20°	680.6	9.7
20°-30°	1056.6	15.1
30°-40°	1301.4	18.6
40°-50°	1354.9	19.3
50°-60°	1178.2	16.8
60°-70°	791.6	11.3
70°-80°	342.6	4.9
80°-90°	62.9	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°	1971.0	28.1
0°-40°	3272.4	46.7
0°-60°	5805.5	82.9
0°-90°	7002.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7002.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2459	2459	2459	2459	2459	
5°	2462	2446	2455	2460	2457	234
15°	2413	2396	2407	2416	2416	682
25°	2295	2284	2295	2295	2291	1057
35°	2090	2085	2090	2072	2064	1307
45°	1792	1786	1771	1730	1714	1380
55°	1387	1362	1329	1276	1256	1233
65°	848	833	799	762	746	840
75°	320	322	314	321	282	352
85°	49	50	46	40	40	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2458.8	2458.8	2458.8	2458.8	2458.8
2.5°	2467.2	2451.9	2457.4	2465.8	2454.6
5°	2461.6	2446.3	2454.6	2460.2	2457.4
7.5°	2453.3	2442.1	2446.3	2451.9	2450.5
10°	2443.5	2432.4	2436.6	2442.1	2438.0
12.5°	2428.2	2415.7	2424.1	2429.6	2428.2
15°	2412.9	2396.3	2407.4	2415.7	2415.7
17.5°	2390.7	2376.8	2387.9	2394.9	2393.5
20°	2361.5	2351.8	2360.1	2365.7	2364.3
22.5°	2328.2	2321.2	2330.9	2330.9	2330.9
25°	2294.8	2283.7	2294.8	2294.8	2290.6
27.5°	2251.7	2242.0	2255.9	2251.7	2244.8
30°	2203.1	2197.5	2207.2	2200.3	2193.3
32.5°	2146.1	2143.3	2153.0	2139.1	2133.6
35°	2090.5	2084.9	2090.5	2072.4	2064.1
37.5°	2025.1	2019.6	2025.1	2001.5	1989.0
40°	1951.5	1947.3	1950.1	1919.5	1904.2
42.5°	1875.0	1870.9	1863.9	1826.4	1813.9
45°	1791.6	1786.1	1770.8	1730.5	1713.8
47.5°	1702.7	1693.0	1670.7	1627.6	1605.4
50°	1604.0	1590.1	1565.1	1517.8	1494.2
52.5°	1497.0	1480.3	1448.3	1401.1	1378.8
55°	1387.2	1362.1	1328.8	1276.0	1256.5
57.5°	1262.1	1235.7	1200.9	1152.3	1130.0
60°	1132.8	1106.4	1070.3	1025.8	1003.5
62.5°	995.2	971.6	935.4	893.7	874.3
65°	847.9	832.6	799.2	761.7	746.4
67.5°	708.9	693.6	665.8	633.8	639.4
70°	560.1	558.8	535.1	512.9	564.3
72.5°	436.4	433.7	421.2	410.0	407.3
75°	319.7	322.5	314.1	321.1	282.2
77.5°	225.2	228.0	226.6	207.1	216.8
80°	154.3	154.3	144.6	137.6	144.6
82.5°	93.1	111.2	100.1	82.0	79.2
85°	48.6	50.0	45.9	40.3	40.3
87.5°	18.1	20.8	18.1	16.7	15.3
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)