

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: P506801

Luminaire Tested: **24PD-70-PW1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506801
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-70-PW1-L840
Description: 7000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

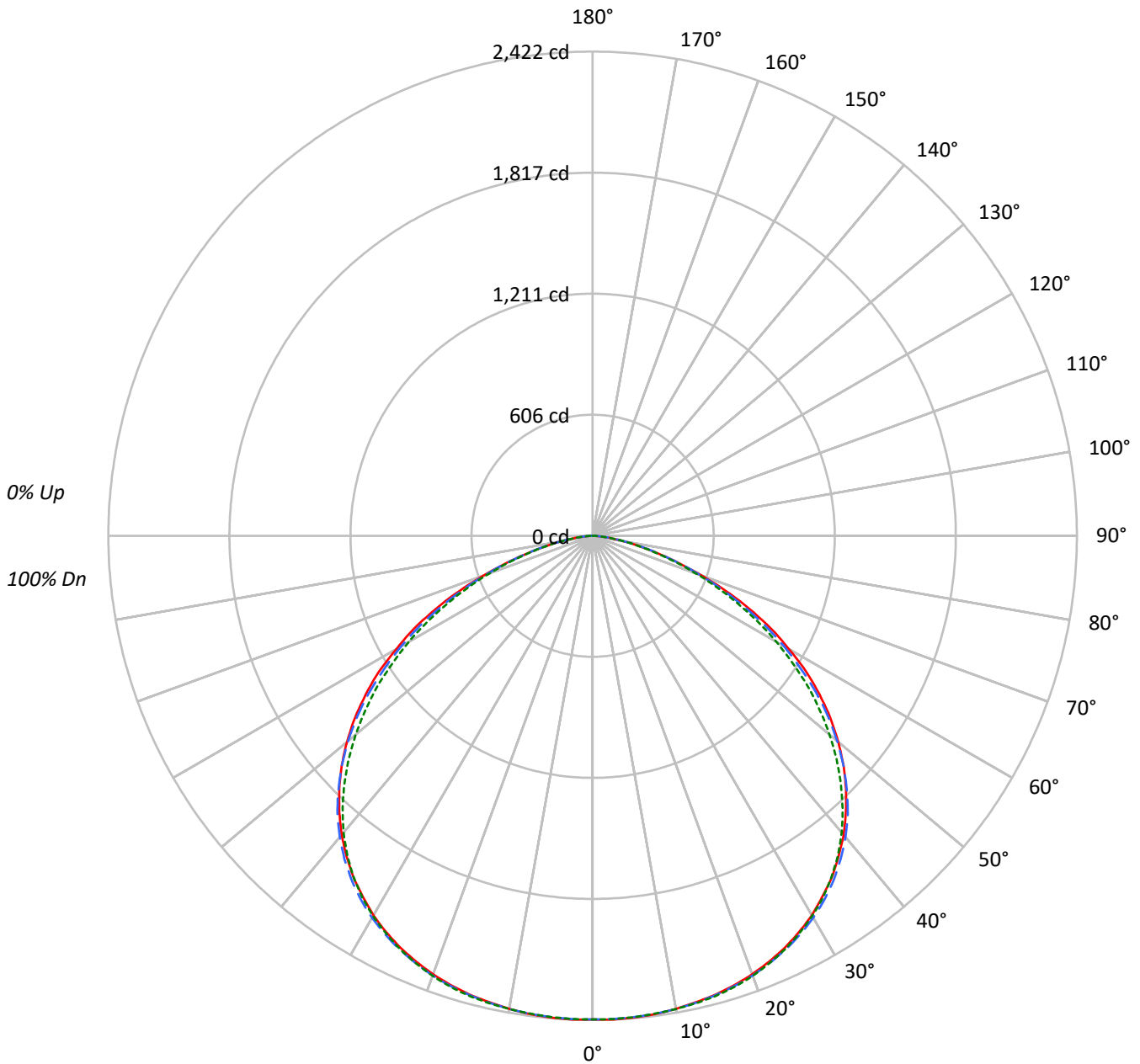
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7095.1 lumens
Efficiency: N/A
Efficacy: 137.8 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): 51.5
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				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			100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85			85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71			71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60			60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52			52
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45			45
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39			39
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34			34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30			30
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27			27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25			25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3255	3255	3255
5°	3267	3263	3263
10°	3283	3283	3284
15°	3310	3313	3319
20°	3341	3352	3354
25°	3376	3391	3386
30°	3406	3428	3413
35°	3426	3453	3423
40°	3430	3456	3404
45°	3410	3423	3340
50°	3356	3341	3236
55°	3250	3198	3083
60°	3052	2974	2857
65°	2753	2651	2544
70°	2269	2235	2152
75°	1735	1752	1682
80°	1204	1241	1214
85°	719	750	730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.3	3.2
10°-20°	672.6	9.5
20°-30°	1051.9	14.8
30°-40°	1308.5	18.4
40°-50°	1375.1	19.4
50°-60°	1207.0	17.0
60°-70°	821.9	11.6
70°-80°	362.6	5.1
80°-90°	65.3	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°	1954.8	27.6
0°-40°	3263.3	46.0
0°-60°	5845.3	82.4
0°-90°	7095.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7095.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2420	2420	2420	2420	2420	
5°	2419	2418	2416	2413	2416	230
15°	2376	2379	2378	2378	2383	672
25°	2274	2280	2284	2283	2281	1049
35°	2086	2095	2102	2092	2084	1303
45°	1792	1804	1799	1769	1756	1380
55°	1385	1380	1363	1327	1314	1235
65°	865	844	833	815	799	852
75°	334	336	337	331	324	365
85°	47	49	49	48	47	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2419.5	2419.5	2419.5	2419.5	2419.5
2.5°	2422.2	2420.8	2419.5	2417.4	2419.5
5°	2418.8	2418.1	2416.1	2413.4	2416.1
7.5°	2413.4	2413.4	2411.4	2409.3	2410.7
10°	2403.2	2405.3	2403.2	2401.2	2403.9
12.5°	2389.7	2393.1	2392.4	2392.4	2394.5
15°	2376.2	2378.9	2378.3	2378.3	2383.0
17.5°	2357.3	2360.7	2361.4	2362.7	2365.4
20°	2333.7	2338.4	2341.1	2340.4	2342.5
22.5°	2306.0	2311.4	2313.4	2314.8	2313.4
25°	2274.2	2280.3	2284.4	2283.0	2281.0
27.5°	2235.7	2242.5	2247.9	2244.5	2240.5
30°	2192.5	2198.6	2206.7	2200.6	2196.6
32.5°	2139.1	2150.6	2158.1	2150.6	2144.6
35°	2085.8	2095.2	2102.0	2091.9	2083.8
37.5°	2020.9	2032.4	2038.5	2024.3	2015.5
40°	1952.7	1964.2	1967.6	1949.3	1937.9
42.5°	1875.0	1887.9	1889.2	1863.6	1850.7
45°	1792.0	1803.5	1798.7	1769.0	1755.5
47.5°	1702.1	1710.2	1700.1	1669.7	1654.9
50°	1603.5	1608.2	1596.1	1560.3	1546.1
52.5°	1499.5	1498.8	1483.3	1447.5	1432.0
55°	1385.3	1379.9	1363.1	1327.3	1314.4
57.5°	1268.5	1251.6	1233.4	1203.0	1186.1
60°	1134.1	1121.2	1105.0	1074.6	1061.8
62.5°	1007.1	984.1	970.6	943.6	932.1
65°	864.6	843.6	832.8	814.6	799.1
67.5°	721.4	705.2	697.7	684.9	670.7
70°	576.8	572.1	568.1	555.9	547.1
72.5°	449.2	447.8	447.1	440.4	431.6
75°	333.7	335.7	337.0	331.0	323.5
77.5°	237.8	241.1	240.5	237.1	235.1
80°	155.4	158.1	160.1	156.7	156.7
82.5°	93.9	96.6	95.9	97.3	94.6
85°	46.6	48.6	48.6	48.0	47.3
87.5°	16.9	17.6	16.9	17.6	16.9
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)