

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: P506908

Luminaire Tested: **24PD-90-PW1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506908
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-90-PW1-L835
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

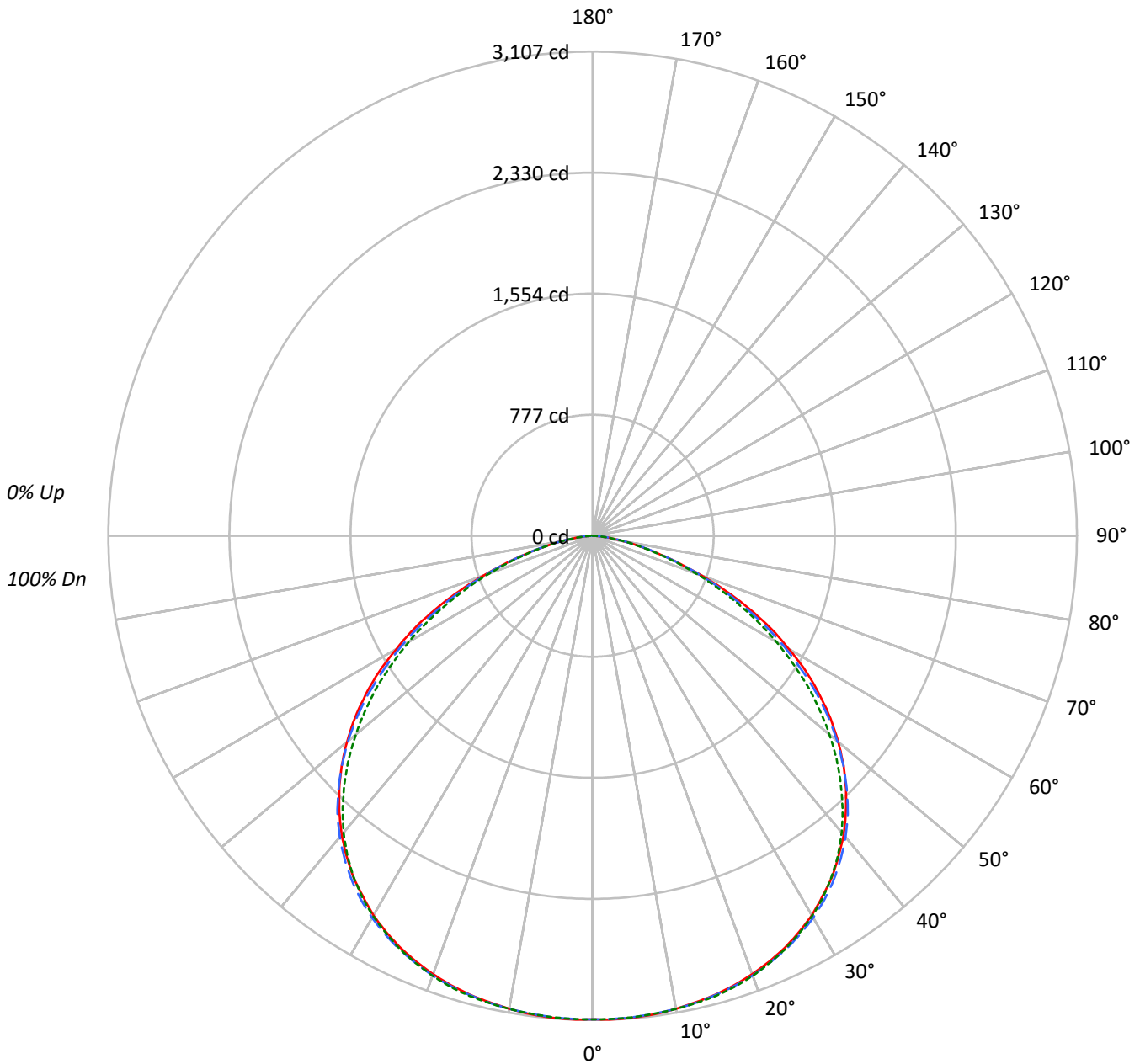
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9101.0 lumens
Efficiency: N/A
Efficacy: 130.6 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): 69.7
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

TEST NUMBER: P506908
CATALOG NUMBER: 24PD-90-PW1-L835

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°	4176	4176	4176
5°	4190	4186	4186
10°	4212	4212	4213
15°	4246	4249	4258
20°	4286	4300	4302
25°	4331	4350	4344
30°	4369	4398	4378
35°	4395	4429	4390
40°	4399	4433	4366
45°	4374	4390	4285
50°	4306	4285	4151
55°	4168	4101	3955
60°	3915	3814	3665
65°	3531	3401	3263
70°	2911	2867	2761
75°	2225	2247	2157
80°	1544	1591	1557
85°	923	963	936



TEST NUMBER: P506908

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.4	3.2
10°-20°	862.8	9.5
20°-30°	1349.3	14.8
30°-40°	1678.4	18.4
40°-50°	1763.8	19.4
50°-60°	1548.2	17.0
60°-70°	1054.3	11.6
70°-80°	465.1	5.1
80°-90°	83.7	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°	2507.5	27.6
0°-40°	4185.9	46.0
0°-60°	7497.9	82.4
0°-90°	9101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3104	3104	3104	3104	3104	
5°	3103	3102	3099	3096	3099	296
15°	3048	3052	3051	3051	3057	862
25°	2917	2925	2930	2928	2926	1345
35°	2676	2688	2696	2683	2673	1672
45°	2299	2313	2307	2269	2252	1770
55°	1777	1770	1748	1702	1686	1584
65°	1109	1082	1068	1045	1025	1093
75°	428	431	432	424	415	468
85°	60	62	62	62	61	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3103.5	3103.5	3103.5	3103.5	3103.5
2.5°	3107.0	3105.2	3103.5	3100.9	3103.5
5°	3102.6	3101.8	3099.2	3095.7	3099.2
7.5°	3095.7	3095.7	3093.1	3090.5	3092.2
10°	3082.7	3085.3	3082.7	3080.1	3083.6
12.5°	3065.4	3069.7	3068.8	3068.8	3071.4
15°	3048.0	3051.5	3050.6	3050.6	3056.7
17.5°	3023.8	3028.1	3029.0	3030.7	3034.2
20°	2993.5	2999.5	3003.0	3002.1	3004.7
22.5°	2957.9	2964.9	2967.5	2969.2	2967.5
25°	2917.2	2925.0	2930.2	2928.5	2925.9
27.5°	2867.8	2876.5	2883.4	2879.1	2873.9
30°	2812.4	2820.2	2830.6	2822.8	2817.6
32.5°	2743.9	2758.7	2768.2	2758.7	2750.9
35°	2675.5	2687.6	2696.3	2683.3	2672.9
37.5°	2592.3	2607.0	2614.8	2596.6	2585.4
40°	2504.8	2519.5	2523.9	2500.5	2485.7
42.5°	2405.2	2421.6	2423.4	2390.4	2374.0
45°	2298.6	2313.3	2307.3	2269.1	2251.8
47.5°	2183.4	2193.8	2180.8	2141.8	2122.7
50°	2056.9	2062.9	2047.3	2001.4	1983.2
52.5°	1923.4	1922.6	1902.6	1856.7	1836.8
55°	1777.0	1770.1	1748.4	1702.5	1686.0
57.5°	1627.1	1605.5	1582.1	1543.1	1521.4
60°	1454.7	1438.2	1417.5	1378.5	1362.0
62.5°	1291.8	1262.4	1245.0	1210.4	1195.6
65°	1109.0	1082.1	1068.3	1044.9	1025.0
67.5°	925.3	904.5	895.0	878.5	860.3
70°	739.9	733.9	728.7	713.1	701.8
72.5°	576.2	574.4	573.6	564.9	553.6
75°	428.0	430.6	432.3	424.5	415.0
77.5°	305.0	309.3	308.4	304.1	301.5
80°	199.3	202.7	205.3	201.0	201.0
82.5°	120.4	123.9	123.0	124.8	121.3
85°	59.8	62.4	62.4	61.5	60.6
87.5°	21.7	22.5	21.7	22.5	21.7
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)