

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: P506890

Luminaire Tested: **24PD-90-PL1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-90-PL1-L835
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

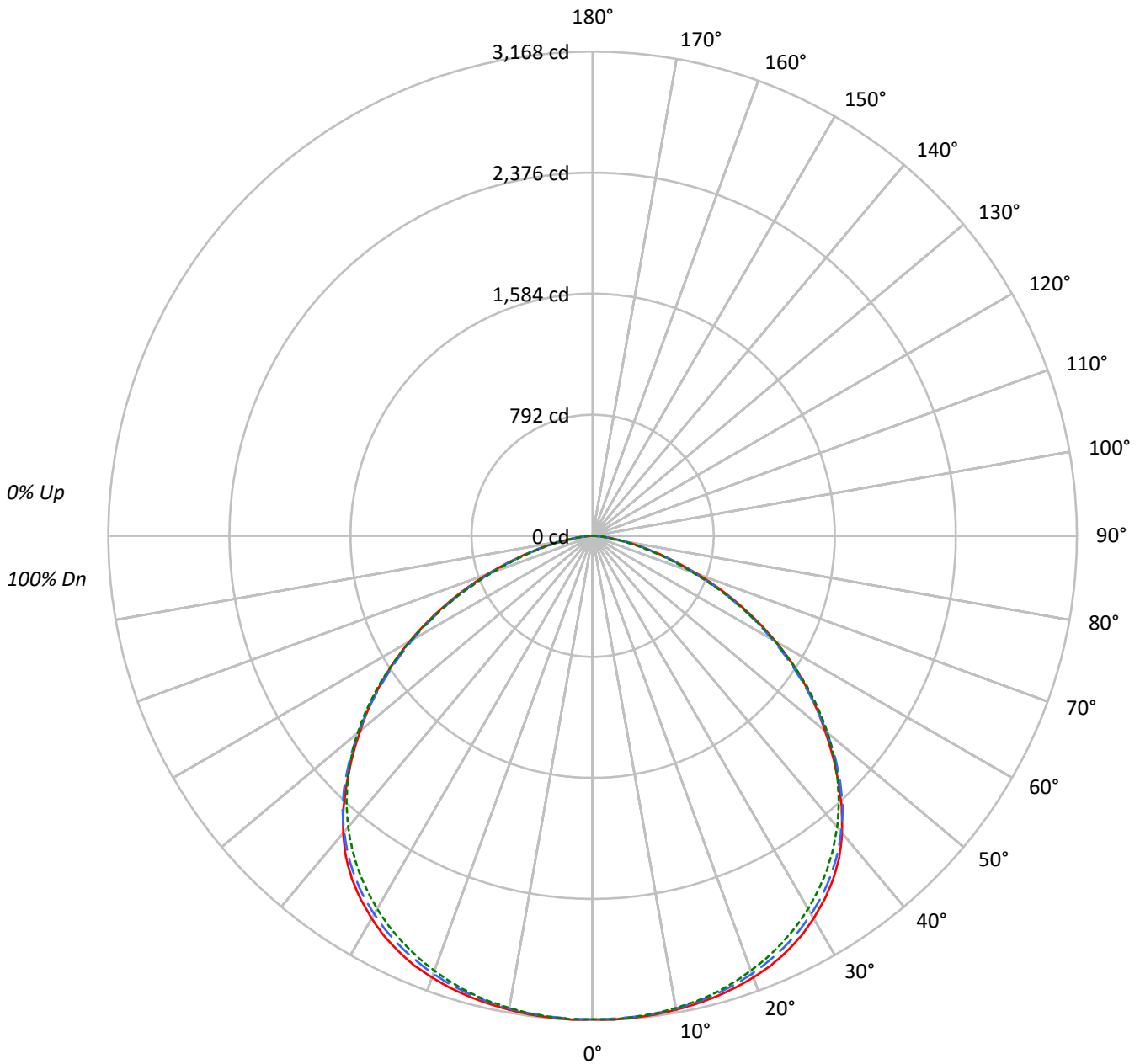
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9076.7 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.32 / 1.43
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: P506890
CATALOG NUMBER: 24PD-90-PL1-L835

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	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	48	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	33	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	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°	4257	4257	4257
5°	4274	4267	4268
10°	4303	4291	4287
15°	4348	4327	4313
20°	4403	4367	4336
25°	4457	4407	4362
30°	4492	4441	4379
35°	4507	4461	4387
40°	4459	4442	4370
45°	4323	4362	4314
50°	4155	4186	4200
55°	3975	3945	4004
60°	3719	3658	3705
65°	3346	3280	3277
70°	2849	2784	2720
75°	2243	2193	2103
80°	1605	1557	1470
85°	949	936	869



TEST NUMBER: P506890

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.1	3.3
10°-20°	878.2	9.7
20°-30°	1369.0	15.1
30°-40°	1694.1	18.7
40°-50°	1756.2	19.3
50°-60°	1512.1	16.7
60°-70°	1025.9	11.3
70°-80°	457.8	5.0
80°-90°	82.4	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°	2548.3	28.1
0°-40°	4242.4	46.7
0°-60°	7510.7	82.7
0°-90°	9076.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9076.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3164	3164	3164	3164	3164	
5°	3164	3160	3159	3159	3160	302
15°	3122	3113	3106	3099	3096	883
25°	3002	2991	2968	2947	2938	1384
35°	2744	2736	2716	2687	2671	1713
45°	2272	2282	2292	2284	2267	1751
55°	1695	1696	1682	1701	1707	1511
65°	1051	1055	1030	1019	1029	1040
75°	432	435	422	412	405	468
85°	62	62	61	61	56	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	<i>3164.1</i>	3164.1	3164.1	3164.1	3164.1
2.5°	<i>3168.4</i>	<i>3161.5</i>	<i>3162.3</i>	<i>3163.2</i>	<i>3166.7</i>
5°	<i>3164.1</i>	3159.7	3158.9	3158.9	3159.7
7.5°	<i>3158.9</i>	3153.7	3152.8	3151.9	3151.9
10°	<i>3149.3</i>	3144.1	3140.7	3138.9	3138.1
12.5°	<i>3136.3</i>	3130.3	3125.9	3122.5	3119.9
15°	<i>3121.6</i>	3112.9	3106.0	3099.1	3096.5
17.5°	<i>3100.8</i>	3093.0	3080.9	3069.6	3065.3
20°	<i>3074.8</i>	3067.0	3049.7	3034.1	3028.0
22.5°	<i>3044.5</i>	3033.2	3011.6	2994.2	2985.6
25°	<i>3002.0</i>	2990.8	2968.3	2946.6	2937.9
27.5°	<i>2952.7</i>	2942.3	2918.0	2892.0	2881.6
30°	<i>2891.1</i>	2884.2	2858.2	2829.6	2818.4
32.5°	<i>2822.7</i>	2815.8	2793.2	2761.2	2748.2
35°	<i>2743.9</i>	2736.1	2716.1	2686.7	2671.1
37.5°	<i>2650.3</i>	2647.7	2628.6	2598.3	2583.6
40°	<i>2538.5</i>	2543.7	2529.0	2503.0	2488.3
42.5°	<i>2411.2</i>	2422.4	2422.4	2398.2	2383.4
45°	<i>2271.7</i>	2282.1	2292.5	2283.8	2267.3
47.5°	<i>2128.7</i>	2140.0	2152.1	2155.6	2141.7
50°	<i>1984.9</i>	1991.8	1999.6	2015.2	2006.6
52.5°	<i>1841.9</i>	1844.5	1841.9	1862.7	1861.0
55°	<i>1694.7</i>	1695.5	1681.7	1700.7	1706.8
57.5°	<i>1541.3</i>	1543.9	1521.4	1531.8	1544.8
60°	<i>1381.9</i>	1384.5	1359.4	1361.1	1376.7
62.5°	<i>1217.3</i>	1220.7	1195.6	1189.6	1203.4
65°	<i>1050.9</i>	1055.3	1030.1	1018.9	1029.3
67.5°	<i>885.5</i>	890.7	867.3	853.4	856.0
70°	<i>724.3</i>	728.6	707.8	694.8	691.4
72.5°	<i>571.0</i>	575.3	558.8	545.8	539.8
75°	<i>431.5</i>	434.9	421.9	412.4	404.6
77.5°	<i>310.2</i>	312.8	302.4	295.4	287.6
80°	<i>207.1</i>	207.9	201.0	196.7	189.7
82.5°	<i>123.9</i>	124.8	120.4	118.7	113.5
85°	<i>61.5</i>	62.4	60.6	60.6	56.3
87.5°	<i>21.7</i>	20.8	21.7	21.7	19.1
90°	<i>0.0</i>	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)