

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: P506899

Luminaire Tested: **24PD-90-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-90-PR1-L835
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

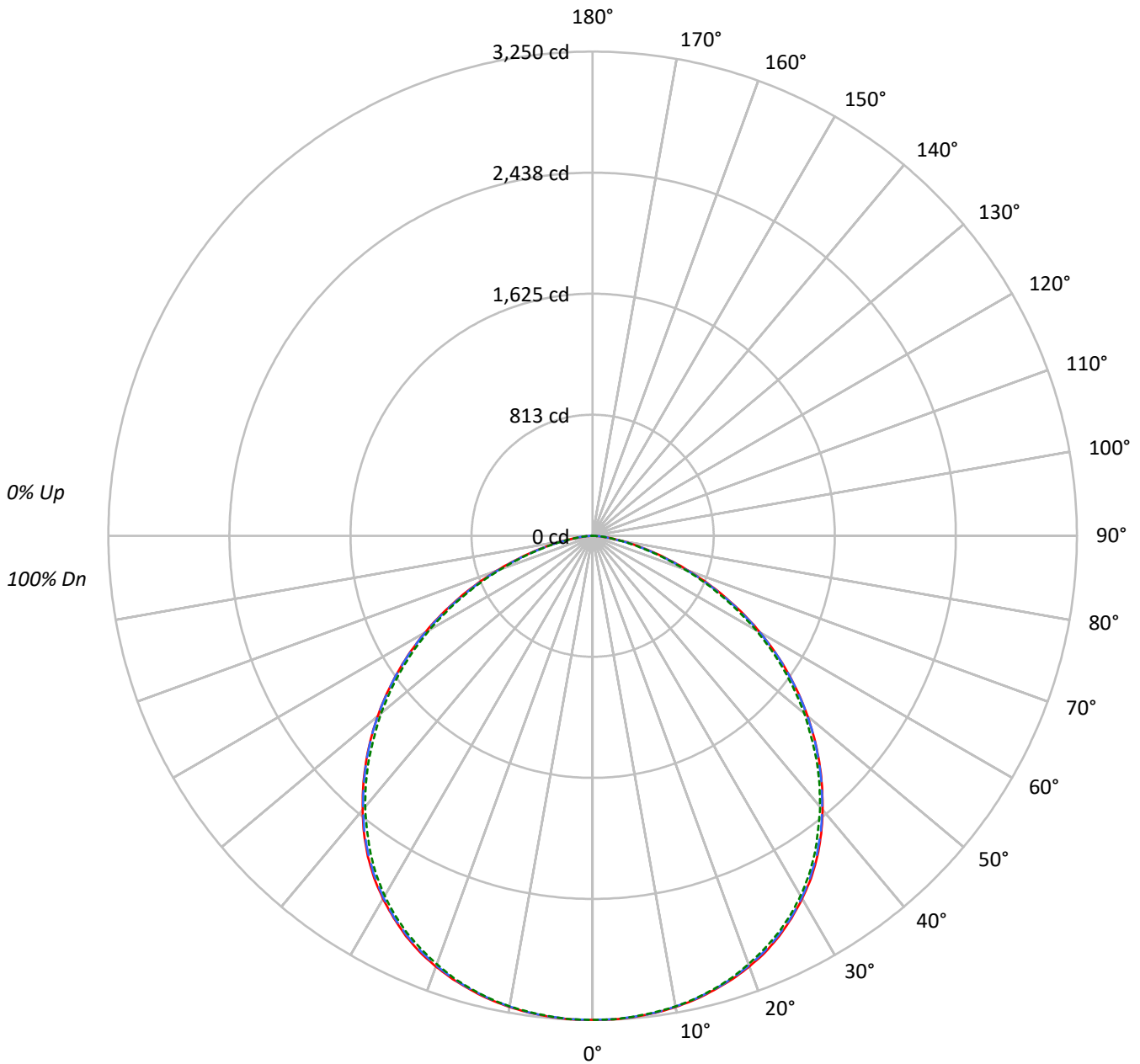
Lumens per Lamp: N/A
Luminaire Lumens: 8747.0 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	98	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	78	84	79	76	81	77	74	72																			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61																			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52																			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46																			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40																			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35																			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32																			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28																			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4371	4371	4371
5°	4379	4377	4375
10°	4389	4384	4383
15°	4397	4391	4387
20°	4406	4395	4382
25°	4401	4389	4370
30°	4371	4360	4336
35°	4318	4304	4270
40°	4218	4208	4171
45°	4094	4087	4041
50°	3942	3940	3880
55°	3748	3740	3669
60°	3493	3480	3401
65°	3147	3110	3038
70°	2687	2648	2581
75°	2124	2076	2028
80°	1509	1469	1424
85°	906	881	855



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	3.5
10°-20°	890.3	10.2
20°-30°	1361.1	15.6
30°-40°	1634.5	18.7
40°-50°	1651.8	18.9
50°-60°	1419.3	16.2
60°-70°	968.1	11.1
70°-80°	435.3	5.0
80°-90°	78.3	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°	2559.8	29.3
0°-40°	4194.3	48.0
0°-60°	7265.3	83.1
0°-90°	8747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8747.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3249	3249	3249	3249	3249	
5°	3242	3242	3241	3239	3239	309
15°	3157	3156	3152	3150	3149	892
25°	2965	2964	2956	2946	2944	1365
35°	2629	2629	2620	2605	2600	1641
45°	2152	2157	2148	2133	2124	1658
55°	1598	1604	1594	1580	1564	1426
65°	988	994	977	970	954	978
75°	409	412	399	397	390	443
85°	59	60	57	57	55	80
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3249.0	3249.0	3249.0	3249.0	3249.0
2.5°	3249.9	3249.0	3248.2	3246.5	3249.0
5°	3242.3	3241.5	3240.6	3239.0	3239.0
7.5°	3230.6	3228.9	3228.9	3226.4	3225.5
10°	3212.1	3211.3	3208.8	3208.8	3207.9
12.5°	3188.6	3186.9	3184.4	3183.6	3181.9
15°	3156.7	3155.9	3152.5	3150.0	3149.2
17.5°	3120.6	3118.1	3115.6	3109.7	3109.7
20°	3077.0	3075.3	3069.5	3063.6	3060.2
22.5°	3026.7	3023.3	3016.6	3010.7	3004.0
25°	2964.6	2963.7	2956.2	2946.1	2943.6
27.5°	2892.4	2894.1	2886.5	2876.5	2871.4
30°	2813.5	2816.9	2806.0	2793.4	2790.9
32.5°	2727.1	2727.9	2718.7	2705.3	2700.3
35°	2628.9	2628.9	2620.5	2604.6	2599.6
37.5°	2519.8	2519.0	2514.0	2495.5	2486.3
40°	2401.5	2405.7	2395.7	2378.9	2374.7
42.5°	2279.0	2284.1	2274.8	2260.6	2251.3
45°	2151.5	2157.3	2148.1	2133.0	2123.8
47.5°	2019.7	2023.9	2017.2	1997.9	1985.3
50°	1883.0	1891.4	1882.1	1862.0	1853.6
52.5°	1742.0	1751.2	1740.3	1725.2	1709.3
55°	1597.7	1603.5	1594.3	1580.0	1564.1
57.5°	1449.1	1460.9	1445.8	1429.0	1415.6
60°	1298.1	1308.2	1293.1	1278.0	1263.7
62.5°	1144.5	1151.3	1134.5	1125.2	1108.5
65°	988.5	993.5	976.7	970.0	954.1
67.5°	834.1	838.3	822.3	813.1	803.9
70°	683.0	686.4	673.0	664.6	656.2
72.5°	540.4	541.2	528.6	526.1	516.1
75°	408.6	412.0	399.4	396.9	390.2
77.5°	293.7	294.5	286.1	284.5	278.6
80°	194.7	195.5	189.6	188.8	183.8
82.5°	117.5	118.3	113.3	113.3	109.9
85°	58.7	59.6	57.1	57.1	55.4
87.5°	20.1	21.0	20.1	20.1	19.3
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)