

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: P506915

Luminaire Tested: **24PD-90-PW1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506915
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-L950
Description: 9000 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

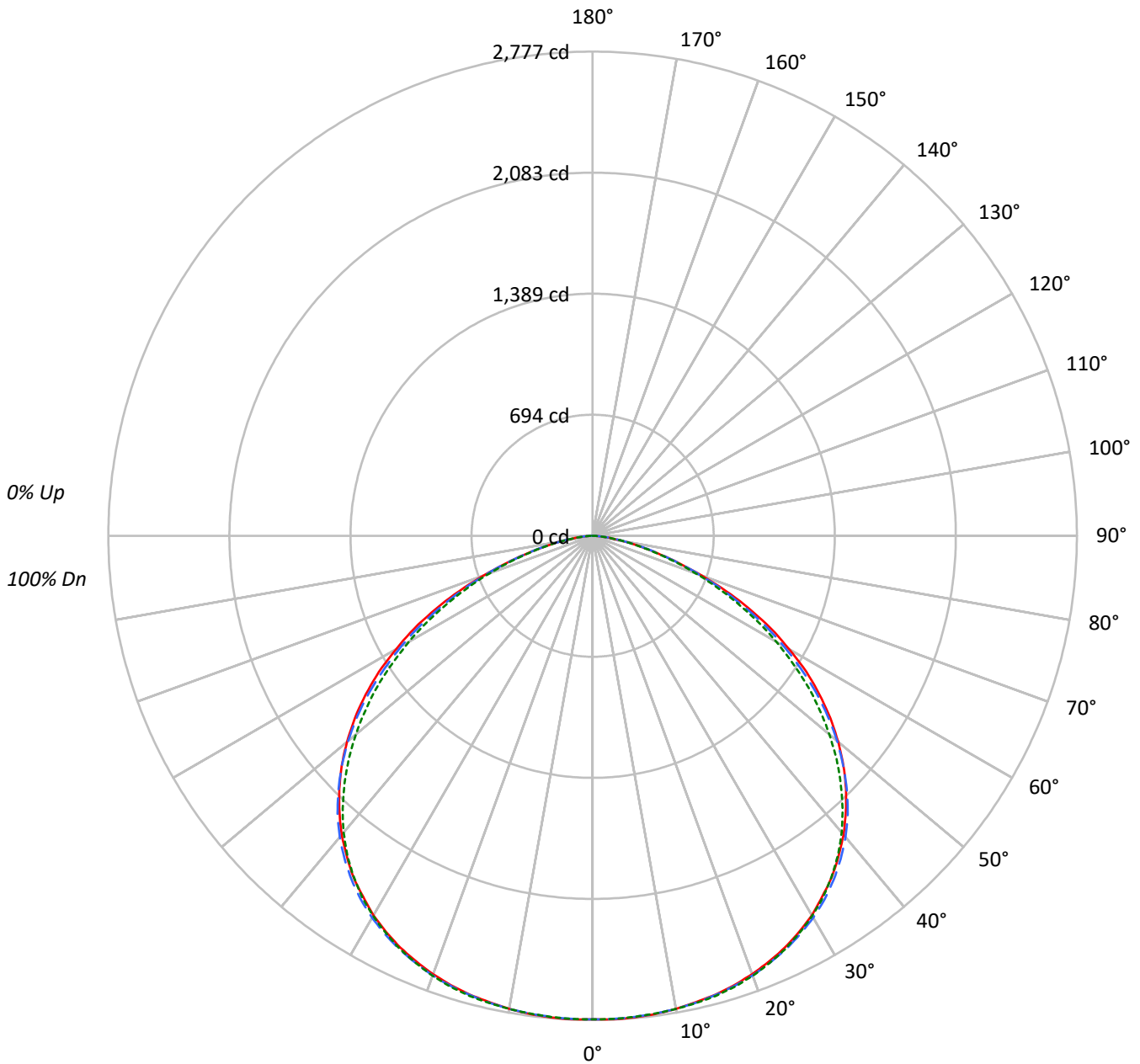
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8133.2 lumens
Efficiency: N/A
Efficacy: 116.7 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

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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								
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°	3732	3732	3732
5°	3745	3741	3741
10°	3764	3764	3765
15°	3794	3797	3805
20°	3830	3843	3845
25°	3870	3888	3882
30°	3905	3930	3912
35°	3927	3958	3924
40°	3932	3962	3902
45°	3909	3923	3829
50°	3848	3830	3710
55°	3725	3665	3534
60°	3498	3409	3275
65°	3155	3039	2916
70°	2601	2562	2467
75°	1988	2009	1928
80°	1380	1422	1392
85°	824	860	837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.9	3.2
10°-20°	771.0	9.5
20°-30°	1205.8	14.8
30°-40°	1499.9	18.4
40°-50°	1576.3	19.4
50°-60°	1383.6	17.0
60°-70°	942.2	11.6
70°-80°	415.6	5.1
80°-90°	74.8	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°	2240.8	27.6
0°-40°	3740.7	46.0
0°-60°	6700.6	82.4
0°-90°	8133.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8133.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2774	2774	2774	2774	2774	
5°	2773	2772	2770	2766	2770	264
15°	2724	2727	2726	2726	2732	770
25°	2607	2614	2619	2617	2615	1202
35°	2391	2402	2410	2398	2389	1494
45°	2054	2067	2062	2028	2012	1582
55°	1588	1582	1562	1522	1507	1415
65°	991	967	955	934	916	977
75°	382	385	386	379	371	419
85°	53	56	56	55	54	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2773.5	2773.5	2773.5	2773.5	2773.5
2.5°	2776.6	2775.0	2773.5	2771.1	2773.5
5°	2772.7	2771.9	2769.6	2766.5	2769.6
7.5°	2766.5	2766.5	2764.2	2761.9	2763.4
10°	2754.9	2757.2	2754.9	2752.6	2755.7
12.5°	2739.4	2743.3	2742.5	2742.5	2744.8
15°	2723.9	2727.0	2726.2	2726.2	2731.7
17.5°	2702.2	2706.1	2706.9	2708.4	2711.5
20°	2675.1	2680.6	2683.7	2682.9	2685.2
22.5°	2643.4	2649.6	2651.9	2653.5	2651.9
25°	2607.0	2614.0	2618.6	2617.1	2614.7
27.5°	2562.9	2570.6	2576.8	2572.9	2568.3
30°	2513.3	2520.3	2529.6	2522.6	2518.0
32.5°	2452.1	2465.3	2473.8	2465.3	2458.3
35°	2391.0	2401.8	2409.6	2397.9	2388.7
37.5°	2316.6	2329.8	2336.8	2320.5	2310.5
40°	2238.4	2251.6	2255.5	2234.6	2221.4
42.5°	2149.4	2164.1	2165.7	2136.2	2121.5
45°	2054.2	2067.3	2061.9	2027.8	2012.4
47.5°	1951.2	1960.5	1948.9	1914.0	1897.0
50°	1838.1	1843.6	1829.6	1788.6	1772.3
52.5°	1718.9	1718.1	1700.3	1659.3	1641.5
55°	1588.0	1581.9	1562.5	1521.5	1506.7
57.5°	1454.1	1434.7	1413.8	1379.0	1359.6
60°	1300.0	1285.3	1266.7	1231.9	1217.2
62.5°	1154.5	1128.1	1112.6	1081.7	1068.5
65°	991.1	967.1	954.7	933.8	916.0
67.5°	826.9	808.3	799.8	785.1	768.9
70°	661.2	655.8	651.2	637.2	627.2
72.5°	514.9	513.3	512.6	504.8	494.8
75°	382.5	384.8	386.4	379.4	370.9
77.5°	272.5	276.4	275.6	271.8	269.4
80°	178.1	181.2	183.5	179.6	179.6
82.5°	107.6	110.7	109.9	111.5	108.4
85°	53.4	55.7	55.7	55.0	54.2
87.5°	19.4	20.1	19.4	20.1	19.4
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)