

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: P506266

Luminaire Tested: **22PD-35-PW1-L940**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506266
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-35-PW1-L940
Description: 3500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

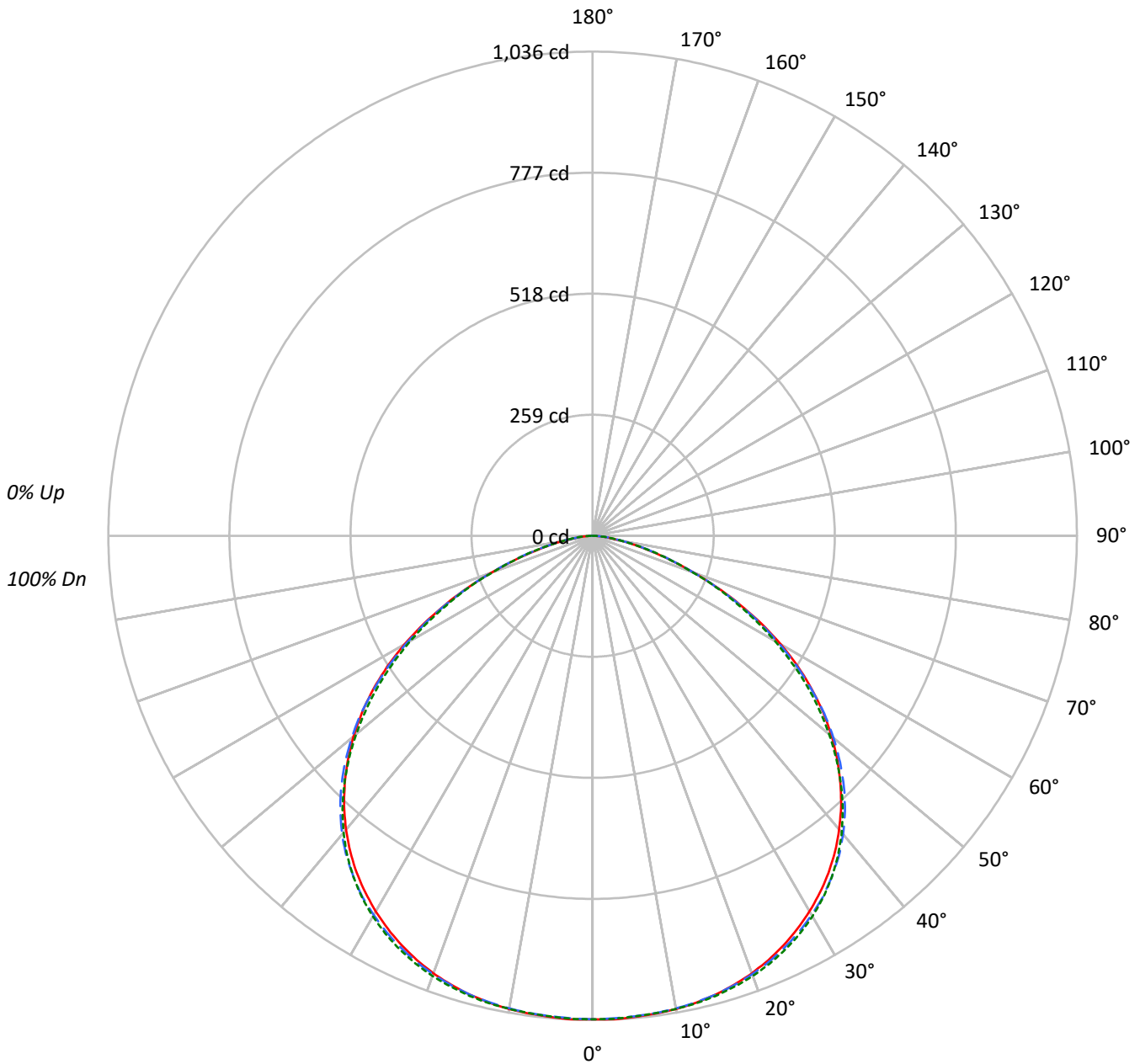
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2990.8 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	99	96	93	95	92	90	91	89	87	85				85				
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72				72				
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61				61				
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52				52				
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45				45				
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39				39				
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35				35				
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31				31				
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28				28				
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25				25				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2784	2784	2784
5°	2792	2788	2789
10°	2810	2806	2809
15°	2832	2831	2839
20°	2853	2859	2871
25°	2870	2887	2900
30°	2884	2912	2922
35°	2891	2929	2930
40°	2882	2929	2912
45°	2854	2895	2860
50°	2796	2816	2765
55°	2687	2675	2625
60°	2502	2474	2422
65°	2206	2185	2143
70°	1806	1815	1777
75°	1368	1415	1404
80°	992	1032	1015
85°	651	673	719



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	3.3
10°-20°	287.4	9.6
20°-30°	448.0	15.0
30°-40°	555.3	18.6
40°-50°	581.0	19.4
50°-60°	506.3	16.9
60°-70°	339.1	11.3
70°-80°	147.0	4.9
80°-90°	28.3	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°	833.7	27.9
0°-40°	1389.0	46.4
0°-60°	2476.3	82.8
0°-90°	2990.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2990.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1034	1032	1032	1032	1032	98
15°	1016	1015	1016	1017	1019	287
25°	967	967	972	975	977	446
35°	880	883	892	893	892	550
45°	750	754	761	754	751	577
55°	573	572	570	564	560	510
65°	346	345	343	340	336	343
75°	132	134	136	135	135	145
85°	21	23	22	22	23	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1034.6	1034.6	1034.6	1034.6	1034.6
2.5°	1035.8	1033.9	1033.5	1033.5	1034.6
5°	1033.5	1032.4	1032.1	1031.7	1032.4
7.5°	1031.3	1029.8	1030.2	1029.5	1030.2
10°	1028.4	1026.9	1026.9	1026.9	1028.0
12.5°	1023.2	1022.1	1022.4	1023.2	1024.7
15°	1016.5	1015.0	1016.2	1017.3	1019.1
17.5°	1007.3	1006.2	1008.0	1009.9	1011.4
20°	996.2	995.1	998.4	1001.0	1002.5
22.5°	982.5	982.1	986.6	989.5	990.6
25°	966.6	967.0	972.2	975.1	976.6
27.5°	948.5	949.2	955.9	958.5	960.0
30°	928.1	930.0	937.0	939.2	940.4
32.5°	905.2	907.8	916.3	917.8	917.8
35°	880.1	883.4	891.5	892.7	891.9
37.5°	852.0	855.7	864.9	863.4	862.3
40°	820.5	824.6	833.9	830.9	829.0
42.5°	786.9	791.0	799.1	794.7	792.1
45°	749.9	754.0	760.6	754.4	751.4
47.5°	710.0	714.8	718.1	711.1	707.4
50°	667.8	669.3	672.6	664.5	660.4
52.5°	622.0	622.0	624.6	615.7	610.9
55°	572.8	572.4	570.2	563.9	559.5
57.5°	520.7	518.4	517.0	510.3	505.1
60°	464.8	461.5	459.6	454.1	450.0
62.5°	406.4	404.5	402.3	397.9	393.4
65°	346.5	344.6	343.2	339.8	336.5
67.5°	286.9	285.8	285.8	283.6	283.3
70°	229.6	230.4	230.7	230.7	225.9
72.5°	177.9	178.2	180.1	178.6	178.2
75°	131.6	133.9	136.1	135.0	135.0
77.5°	94.7	98.0	98.0	97.3	96.1
80°	64.0	65.5	66.6	66.2	65.5
82.5°	40.7	41.8	40.7	41.4	41.8
85°	21.1	22.6	21.8	22.2	23.3
87.5°	7.0	7.8	8.1	7.8	7.8
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)